



**Weston Solutions, Inc.**  
20 North Wacker Drive, Suite 1210  
Chicago, IL 60606  
(312) 424-3300 fax: (312) 424-3330  
[www.westonsolutions.com](http://www.westonsolutions.com)



326982

April 3, 2007

Mr. Thomas Cook (SE-5J)  
U.S. EPA  
77 West Jackson Boulevard  
Chicago, Illinois 60604

Re: Ingersoll Removal Site  
Geoprobe and Soil Sampling Event Letter Report, Revision 0  
Chicago, Cook County, Illinois  
TDD: S05- 0702-014  
WO#: 20405.012.008.0156.00  
DCN: 156-2A-AAMO

Dear Mr. Cook:

On February 27, 2007, the United States Environmental Protection Agency (U.S. EPA), the Weston Solutions, Inc., (WESTON®) Superfund Technical Assessment and Response Team (START), and the Environmental Quality Management (EQM) Emergency and Rapid Response Services (ERRS) contractor mobilized to the Ingersoll Site (the Site) in Chicago, Illinois, to perform a subsurface soil investigation and collect soil samples. The Geoprobe® and soil sampling investigation was performed to locate and characterize any subsurface oil, metal, or polychlorinated biphenyl (PCB) contamination on Site.

## **BACKGROUND**

The Site, located at 1000 West 120<sup>th</sup> Street in Chicago, Cook County, Illinois, is bordered by 119<sup>th</sup> Street to the north, Morgan Street to the east, 120<sup>th</sup> Street to the south, and vacant industrial properties to the west (Figures 3-1 and 3-2). The Meridian coordinates for the Site are 41°40'35" North and 87°38'49" West. The Site is approximately 12 acres and includes 38 interconnected, vacant buildings; a water tower; and a spray pond. A fire in the Summer of 2004 destroyed a portion of the former administration areas located in the southeast portion of the Site. Evidence of vandalism at the Site, in the form of broken windows, compromised fencing, graffiti, and stripped wiring, is extensive.

The Site has a 90-year history of industrial machining and oil use. BorgWarner, Inc., purchased the Site in 1929, and, in that same period, acquired Ingersoll Steel & Disc Company, a manufacturer of agricultural accessories including disc blades. According to former BorgWarner, Inc., employees, electronic enclosures, hospital beds, bathtubs, and sinks were also manufactured on site. During the Korean Conflict, wing tanks were built on site. During the Vietnam Conflict, bomb shell casings were made on site. Ingersoll Rand Company, Limited, currently owns the Site.

According to the Region V Superfund Environmental Justice Analysis, the area within one mile of the Site has a population that is 98 percent minority. This percentage meets the Region V demographic criterion for identifying an environmental justice case.

Between 1992 and 2004, several environmental investigations had been performed at the Site to document contamination. The investigations documented the following Site contamination:

- Surface and sub-surface oil- and metal-contaminated soils and PCB contamination inside buildings in areas where transformers had been located;
- Concentrations of lead in soil (up to 0.15 milligrams per kilogram [mg/kg]), and 1,1-dichloroethane in groundwater (0.15 milligrams per liter) at the Site that exceeded Illinois Pollution Control Board Class II criteria for soil and groundwater, respectively.
- Concentrations of semi-volatile organic compounds (SVOC), metals, and PCBs in Site soils that exceeded the Illinois Tiered Approach to Corrective Action Objectives (TACO) Tier 1 remediation objectives for soil, based on the ingestion exposure route for industrial-commercial properties;
- Concentrations of PCBs on floors in six of the 13 transformer rooms that were high enough to be regulated by the Toxic Substances Control Act; and
- Asbestos in tile mastic and pipe insulation.

U.S. EPA, WESTON START, and ERRS mobilized to the Site on January 16, 2006, to begin removing asbestos-containing material (ACM) from buildings; removing oils, sludges, and PCB oils from tanks, pits, and vaults; cleaning surfaces with known PCB contamination; and excavating PCB-contaminated soil and oil.

Removal activities were performed through November 10, 2006, but not all areas of the Site were able to be thoroughly addressed by that date. ERRS arranged for the transportation and

disposal of 560,770 gallons of non-hazardous wastewater; 145,280 kilograms of volatile organic compound (VOC)-, SVOC-, metal-, and PCB-contaminated oil and wastewater; 270 cubic yards of ACM debris; and 1,100 cubic yards of low-level PCB-contaminated debris.

Additional site background and removal information can be found in the Federal On-Scene Coordinator's Report, and WESTON's December 22, 2006, report, *Comprehensive Environmental Response, Compensation, and Liability Act Removal Action at the Ingersoll Site*.

### **SUMMARY OF GEOPROBE AND SAMPLING ACTIVITIES**

On February 27, 2007, U.S. EPA On-Scene Coordinator Mr. Thomas Cook, WESTON START member Mr. Jay Rauh, EQM Response Manager (RM) Mr. Bob Armstrong, and EQM Geoprobe operator Mr. Stuart Wilkinson mobilized to the Site to begin the Geoprobe and sampling activities. The team proceeded to investigate subsurface conditions throughout the Site using the Geoprobe and collected biased samples of the subsurface soil for analysis of metals and PCBs.

Fifty-one boring locations were pre-selected in areas of the Site that were not investigated during the 2006 removal action. The boring locations were based on a 50-foot by 50-foot grid over the portion of the Site where buildings and facility structures are or were located. Additional boring locations were selected during drilling operations based on knowledge of the Site, boring results from nearby locations, and location accessibility. Each boring was advanced until refusal or native gray or brown clay was encountered. Seventy-nine borings were completed and logged. Boring locations are identified in Figure 1. Specific observations of subsurface soil made during boring activities include:

- Free product was observed in three borings (B-130-030207, B-131-030207, and B-169-030807), all located on the north end and inside of Building 412.
- Free product, hydrocarbon staining, or hydrocarbon odor were observed in 61 of 79 borings. At five of the remaining 18 boring locations, refusal occurred at or shallower than three feet below ground surface (bgs); therefore, evidence of oil more than three feet bgs would not have been observed.
- Oil or stained soil, where present, were typically visible in the soil immediately beneath the concrete slab at the ground surface, and/or within the interval of two to eight feet bgs. Occasionally, a second layer of oil or staining was present at six to eight feet bgs, separated from the first by a layer of clay or other fill.

- Free product, an oily sheen, or hydrocarbon staining were observed as deep as 11 feet bgs.
- Fill material was typically sandy silt, brick fragments, black and brown clay, or gravel. Paint chips, cinders, tar, and oxidized metal were occasionally observed in the fill.
- Native brown or gray clay was typically encountered at eight to 12 feet bgs.
- Groundwater, where present, was observed in a sandy layer at five to nine feet bgs. An oily sheen was noted on the groundwater in two borings.
- Fill material from the two to five feet bgs interval at boring locations B-157-030607 and B-179-030907, both south of Building 912, was comprised of unknown pink, green, and purple granules.
- Product-containing vaults or pits were observed inside Building 1018, north of Building 1018, west of Building 1017 and former Building 920, and inside Building 1014.

One or two soil samples were collected from each boring per the site-specific Sampling and Analysis Plan (WESTON, 2007). Samples were biased to the depth interval that appeared to be the most contaminated by visual inspection. A MultRAE five-gas monitor was also used to screen soil cores for the presence of VOCs, but no readings were recorded above background levels. If no contamination was evident in the boring, the sample was collected from the interval closest to the ground surface.

Two samples were also collected of free product. Sample OIL-1-030807 was collected from a pit north of the east end of Building 1018. Sample OIL-2-030807 was collected from a pit located inside Building 1014.

The team completed Geoprobe and soil sampling activities and demobilized from the Site on March 9, 2007. Seventy-nine borings were completed. Eighty investigative soil samples and two oil samples were delivered, under chain of custody, to Microbac Laboratory in Merrillville, Indiana, for analysis. All soil samples were analyzed for total Resource Conservation and Recovery Act metals and PCBs. Oil samples were analyzed for PCBs, only.

## **SOIL AND OIL SAMPLING RESULTS**

Analytical results for all samples are presented in Tables 1, 2, and 3. Results for metals and PCBs in soil were compared to TACO section 742 appendix B, Tier I Industrial-Commercial criteria for inhalation and ingestion routes of exposure. Note that in TACO section 742

appendix B, Tier I Industrial-Commercial criteria for the ingestion route of exposure for lead changed from 400 mg/kg to 700 mg/kg in March 2007. The new criteria were used to evaluate the results of the investigation and soil sampling. Results for PCBs in oil were compared to the Toxic Substances Control Act Waste Characterization Standard (40 Code of Federal Regulations Part 761). Analytical results exceeding regulatory criteria are shown on Figure 2.

Significant results from PCB sampling include:

- PCB concentrations exceed regulatory criteria in soil sample B-110-022807 (190 mg/kg). This sample was collected from the southeast side of the Site, inside Building 1014, at a depth up to nine feet bgs.
- PCB concentrations exceed regulatory criteria in oil sample OIL-2-030807 (530 mg/kg). This sample was collected from a pit located inside Building 1014.
- Other detections of PCBs in soil range from 0.038 mg/kg to 0.35 mg/kg. These samples were collected from borings concentrated in the southeast part of the Site and inside and south of Building 912.

Significant results from metals sampling include:

- Lead concentrations exceed regulatory criteria in soil sample B-174-030807 (1,400 mg/kg). This sample was collected south of Building 912, beneath an overhead crane.
- Lead concentrations exceeding 400 mg/kg were detected in samples B-100-022707 (400 mg/kg), B-108-022707 (400 mg/kg), B-116-022807 (560 mg/kg), B-107-030107 (670 mg/kg), and B-168-030807 (680 mg/kg). These samples were collected from the east side of the Site, west of Building 924, and Building 912's western interior area.
- Elevated concentrations of metals were identified throughout the Site, except in the south and southwest portions. However, no other metals were detected in soils at levels above the regulatory criteria.

During the 2006 removal action that was completed at the Site, soil boring and sampling was completed in areas that focused on Buildings 1017 and 513, and the northern portions of Buildings 1014, 1012, and 515. Results from this sampling are depicted in Figure 3. A complete description of the 2006 sampling event and results are provided in the Federal On-Scene Coordinator's Report and WESTON's December 22, 2006, report *Comprehensive Environmental Response, Compensation, and Liability Act Removal Action at the Ingersoll Site*.

## CONCLUSIONS

This soil boring and sampling investigation determined the extent of oil, PCBs, and metals contamination in subsurface soils on site. Noteworthy findings include:

- Free product, an oily sheen, or hydrocarbon staining were observed as deep as 11 feet bgs throughout the Site.
- Product-containing vaults or pits were observed inside Building 1018, north of Building 1018, west of Building 1017 and former Building 920, and inside Building 1014.
- High concentrations of PCBs are most prevalent at the east end of the Site, in oil and soil from inside and underneath Building 1014 at soil depths of up to nine feet bgs.
- Lower levels of PCBs were detected in samples from the southeast portion of the Site and inside and south of Building 912.
- High concentrations of lead were identified in soil south, west, and inside of Building 912, west of Building 924, and on the east side of the Site.
- Elevated concentrations of metals were identified throughout the Site, except in the south and southwest portions.

If you have any questions or concerns, please contact me at (312) 424-3300.

Very truly yours,  
Weston Solutions, Inc.



For Jay Rauh  
START Site Lead

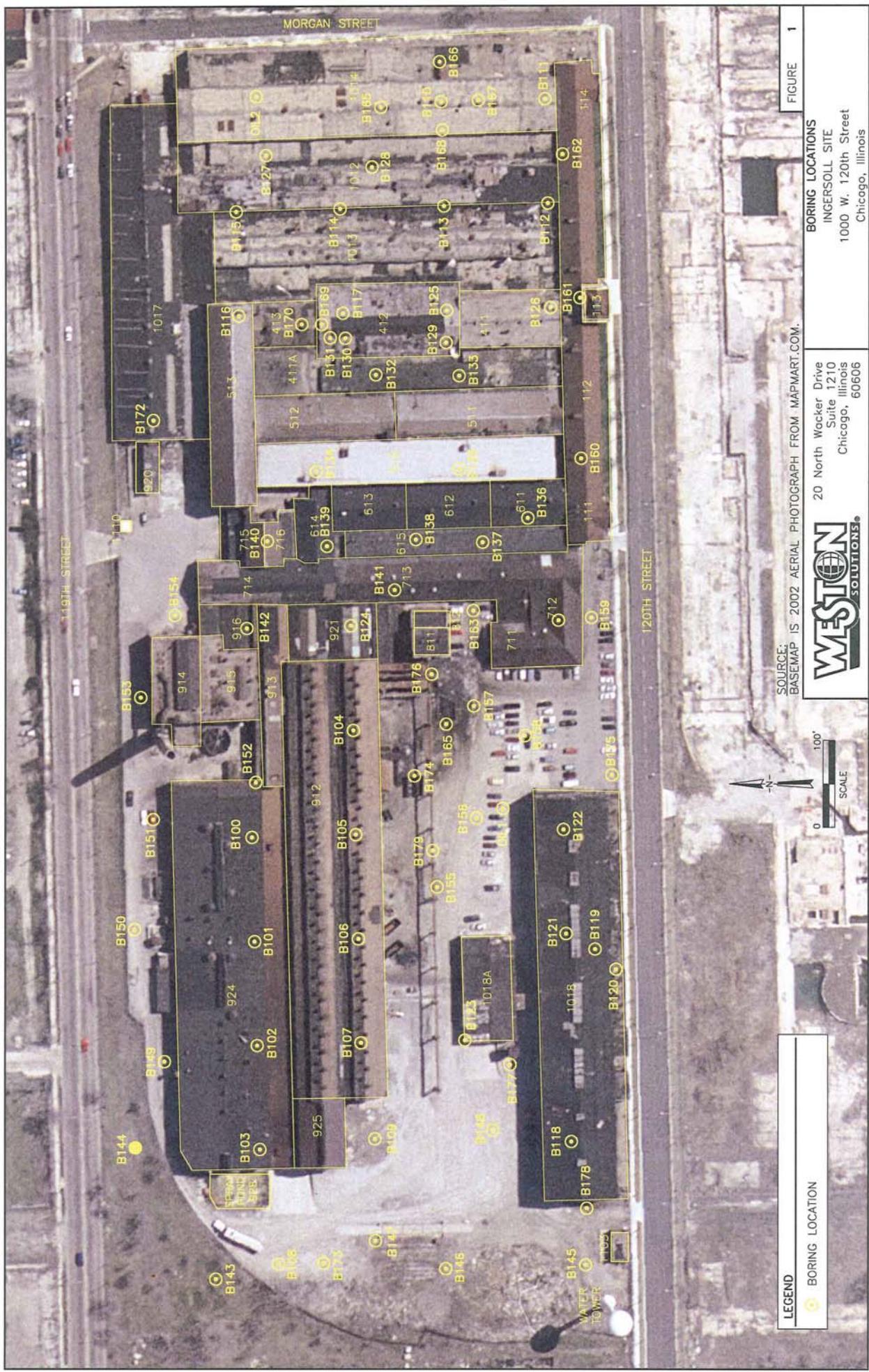
cc: Gail Stanuch, U.S. EPA Region V  
Site files

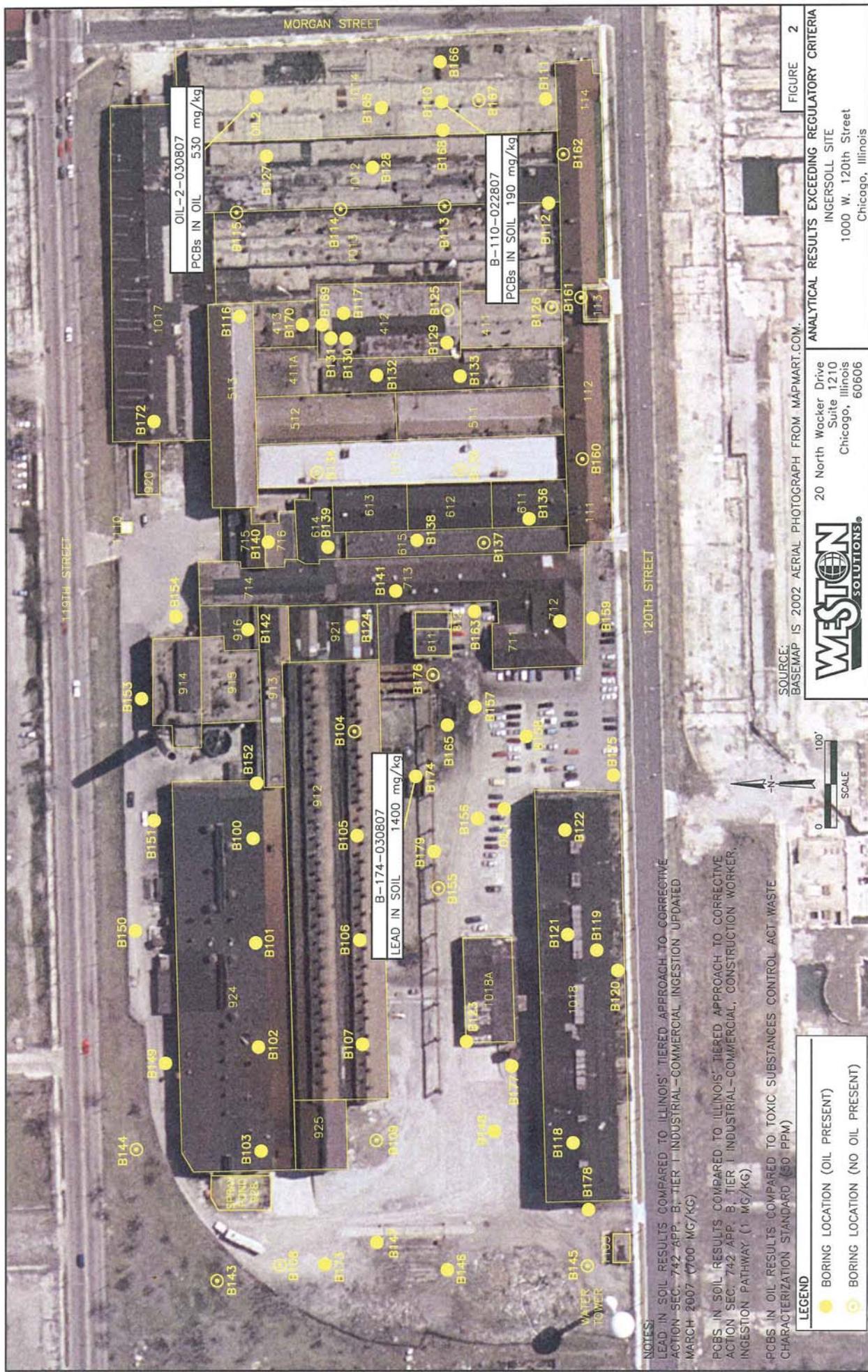
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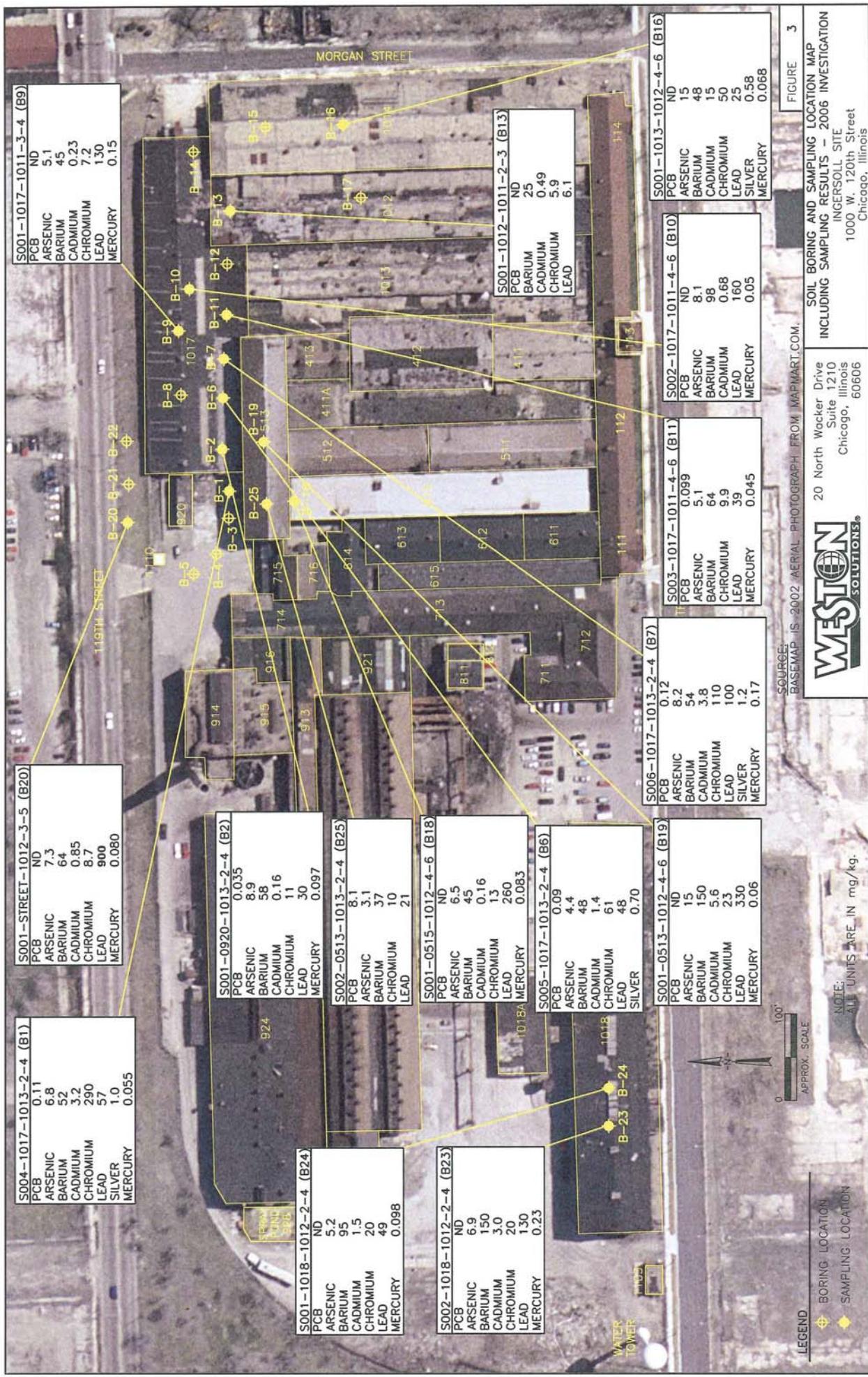
- A – Figures
- B – Tables
- C – Photographic Documentation
- D – Boring Logs
- E – Analytical Results

**ATTACHMENT A**

**FIGURES**







**ATTACHMENT B**

**TABLES**

**Table 1**  
**Analytical Results for Metals**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	31	5.5	4.4	4.4
Barium	mg/kg	140,000	910,000	38	61	44	38
Cadmium	mg/kg	2,000	2,800	76	ND	0.15	ND
Chromium	mg/kg	6,100	420	260	19	13	11
Lead	mg/kg	700	NL	400	35	7.7	8.6
Mercury	mg/kg	610	540,000	ND	ND	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	1.9	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion updated March 2007

<sup>2</sup>Illinois Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Inhalation  
mg/kg - milligrams per kilogram  
ND - Not detected at the method detection limit  
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**Table 1**  
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**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	1.3	8	5.5	1.9
Barium	mg/kg	140,000	910,000	13	130	130	24
Cadmium	mg/kg	2,000	2,800	ND	4.9	2.9	24
Chromium	mg/kg	6,100	420	4.3	32	29	0.94
Lead	mg/kg	700	NL	3.8	87	400	36
Mercury	mg/kg	610	540,000	ND	ND	0.29	8.6
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion updated March 2007

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Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	5.5	ND	4.3	5
Barium	mg/kg	140,000	910,000	110	5.5	40	19
Cadmium	mg/kg	2,000	2,800	0.32	ND	0.4	0.57
Chromium	mg/kg	6,100	420	13	1.5	10	9.2
Lead	mg/kg	700	NL	31	1.6	180	16
Mercury	mg/kg	610	540,000	ND	ND	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

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Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>	Results	Notes
<b>Metals</b>					
Arsenic	mg/kg	NL	1,200	5.7	3.7
Barium	mg/kg	140,000	910,000	82	77
Cadmium	mg/kg	2,000	2,800	0.6	0.31
Chromium	mg/kg	6,100	420	12	10
Lead	mg/kg	700	NL	93	30
Mercury	mg/kg	610	540,000	ND	0.045
Selenium	mg/kg	10,000	NL	ND	ND
Silver	mg/kg	10,000	NL	ND	ND

NOTES:

Results in shaded boxes exceed the regulatory level.

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Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	9.1	4.1	4.4	0.54
Barium	mg/kg	140,000	910,000	500	64	39	18
Cadmium	mg/kg	2,000	2,800	14	ND	1.6	ND
Chromium	mg/kg	6,100	420	76	11	9.9	5.4
Lead	mg/kg	700	NL	670	16	430	82
Mercury	mg/kg	610	540,000	0.23	0.35	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	1.9	ND	ND	ND

**NOTES:**

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Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>	Metals				
				Sample Name	Sampling Date	Sample Matrix	Location	Sample Interval (feet)
Arsenic	mg/kg	NL	1,200	4.6	7.8	7.8	B-127-030207 DUP	B-117-030207
Barium	mg/kg	140,000	910,000	61	590	48		
Cadmium	mg/kg	2,000	2,800	0.51	1.7	5.7		
Chromium	mg/kg	6,100	420	9.8	10	8.6		
Lead	mg/kg	700	NL	250	220	230		
Mercury	mg/kg	610	540,000	ND	0.29	ND		
Selenium	mg/kg	10,000	NL	ND	ND	ND		
Silver	mg/kg	10,000	NL	ND	ND	0.73		

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<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	5.5	6.5	8.5	6.2
Barium	mg/kg	140,000	910,000	12	100	500	54
Cadmium	mg/kg	2,000	2,800	0.99	0.68	0.78	0.32
Chromium	mg/kg	6,100	420	5	12	22	12
Lead	mg/kg	700	NL	13	120	140	62
Mercury	mg/kg	610	540,000	ND	0.039	0.73	ND
Selenium	mg/kg	10,000	NL	ND	ND	17	ND
Silver	mg/kg	10,000	NL	ND	ND	7.4	ND

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Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	5.5	3.3	3.2	4.7
Barium	mg/kg	140,000	910,000	55	12	43	20
Cadmium	mg/kg	2,000	2,800	4.3	1.9	0.43	0.36
Chromium	mg/kg	6,100	420	14	24	9.2	7.1
Lead	mg/kg	700	NL	120	35	17	9.2
Mercury	mg/kg	610	540,000	0.052	ND	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	0.51	ND	ND	ND

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<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	5	5.7	9.1	12
Barium	mg/kg	140,000	910,000	37	37	63	35
Cadmium	mg/kg	2,000	2,800	ND	0.57	1.4	1.1
Chromium	mg/kg	6,100	420	7.9	13	16	12
Lead	mg/kg	700	NL	10	29	53	13
Mercury	mg/kg	610	540,000	ND	ND	0.052	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

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<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	11	6.1	6	5.2
Barium	mg/kg	140,000	910,000	35	39	30	26
Cadmium	mg/kg	2,000	2,800	0.25	0.11	0.1	ND
Chromium	mg/kg	6,100	420	9	9.2	13	8.8
Lead	mg/kg	700	NL	14	52	27	14
Mercury	mg/kg	610	540,000	ND	ND	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

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<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	8.5	4.6	12	4.5
Barium	mg/kg	140,000	910,000	57	43	71	49
Cadmium	mg/kg	2,000	2,800	3.1	ND	8.4	ND
Chromium	mg/kg	6,100	420	34	11	21	10
Lead	mg/kg	700	NL	120	9.6	280	9.8
Mercury	mg/kg	610	540,000	0.096	ND	0.19	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

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<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	9	9.2	5.1	4.9
Barium	mg/kg	140,000	910,000	100	49	11	7.3
Cadmium	mg/kg	2,000	2,800	3.4	0.71	ND	ND
Chromium	mg/kg	6,100	420	22	9.9	8.4	7.4
Lead	mg/kg	700	NL	67	110	7.9	9
Mercury	mg/kg	610	540,000	0.11	0.045	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

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<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion updated March 2007

<sup>2</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Inhalation

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 1**  
**Analytical Results for Metals**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	3.7	11	4.6	5
Barium	mg/kg	140,000	910,000	13	26	34	80
Cadmium	mg/kg	2,000	2,800	ND	0.33	ND	2.9
Chromium	mg/kg	6,100	420	7	14	11	12
Lead	mg/kg	700	NL	6.3	33	17	25
Mercury	mg/kg	610	540,000	ND	0.28	ND	0.12
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion updated March 2007

<sup>2</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Inhalation

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 1**  
**Analytical Results for Metals**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	4.4	7.7	4.4	6.6
Barium	mg/kg	140,000	910,000	47	24	14	18
Cadmium	mg/kg	2,000	2,800	ND	ND	ND	ND
Chromium	mg/kg	6,100	420	8.6	8.7	7.3	7.7
Lead	mg/kg	700	NL	16	12	7.8	14
Mercury	mg/kg	610	540,000	ND	ND	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion updated March 2007

<sup>2</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Inhalation

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 1**  
**Analytical Results for Metals**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	9.8	6.8	6.4	23
Barium	mg/kg	140,000	910,000	1,300	9.2	12	14
Cadmium	mg/kg	2,000	2,800	6.3	0.46	ND	0.9
Chromium	mg/kg	6,100	420	79	3.1	8	8.1
Lead	mg/kg	700	NL	680	20	8.5	16
Mercury	mg/kg	610	540,000	0.033	ND	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	0.79	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion updated March 2007

<sup>2</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Inhalation

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 1**  
**Analytical Results for Metals**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>				
<b>Metals</b>							
Arsenic	mg/kg	NL	1,200	8.5	6.4	5.3	3.1
Barium	mg/kg	140,000	910,000	13	280	13	38
Cadmium	mg/kg	2,000	2,800	0.23	5.4	ND	ND
Chromium	mg/kg	6,100	420	9	17	8.8	9.6
Lead	mg/kg	700	NL	17	<b>1,400</b>	9	24
Mercury	mg/kg	610	540,000	ND	0.035	ND	0.15
Selenium	mg/kg	10,000	NL	ND	ND	ND	ND
Silver	mg/kg	10,000	NL	ND	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion updated March 2007

<sup>2</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Inhalation

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 1**  
**Analytical Results for Metals**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Sample Interval (feet)	Regulatory Level <sup>1</sup>	Regulatory Level <sup>2</sup>	
		3-6	2-6		
<b>Metals</b>					
Arsenic	mg/kg	NL	1,200	4.8	7.6
Barium	mg/kg	140,000	910,000	38	46
Cadmium	mg/kg	2,000	2,800	ND	1.6
Chromium	mg/kg	6,100	420	9.3	14
Lead	mg/kg	700	NL	8.6	23
Mercury	mg/kg	610	540,000	ND	ND
Selenium	mg/kg	10,000	NL	ND	ND
Silver	mg/kg	10,000	NL	ND	0.54

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Ingestion

<sup>2</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial Inhalation  
mg/kg - milligrams per kilogram  
ND - Not detected at the method detection limit  
NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	Sampling Interval (feet)	Sample Name	Sampling Date	Sample Matrix	Location	PCBs
Aroclor 1016	mg/kg	NL	ND	ND	B-100-022707	02/27/07	Soil	B-101	Aroclor 1016
Aroclor 1221	mg/kg	NL	ND	ND	B-102-022707	02/27/07	Soil	B-102	Aroclor 1221
Aroclor 1232	mg/kg	NL	ND	ND	B-102-022707 DUP	02/27/07	Soil	B-103	Aroclor 1232
Aroclor 1242	mg/kg	NL	ND	ND					Aroclor 1242
Aroclor 1248	mg/kg	NL	ND	ND					Aroclor 1248
Aroclor 1254	mg/kg	NL	ND	ND					Aroclor 1254
Aroclor 1260	mg/kg	NL	ND	ND					Aroclor 1260
Aroclor 1262	mg/kg	NL	ND	ND					Aroclor 1262
Aroclor 1268	mg/kg	NL	ND	ND					Aroclor 1268
Total PCBs	mg/kg	1	ND	ND					Total PCBs

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	Sampling Date	Sample Name	Sampling Date	Sample Name	Sampling Date	Sample Name
Aroclor 1016	mg/kg	NL	ND	ND	B-105-022707	02/27/07	B-106-022707	02/27/07	B-108-022707
Aroclor 1221	mg/kg	NL	ND	ND				ND	ND
Aroclor 1232	mg/kg	NL	ND	ND				ND	ND
Aroclor 1242	mg/kg	NL	ND	ND				ND	ND
Aroclor 1248	mg/kg	NL	ND	ND				ND	ND
Aroclor 1254	mg/kg	NL	ND	ND				ND	ND
Aroclor 1260	mg/kg	NL	ND	ND				ND	ND
Aroclor 1262	mg/kg	NL	ND	ND				ND	ND
Aroclor 1268	mg/kg	NL	ND	ND				ND	ND
Total PCBs	mg/kg	1	ND	ND				ND	190
<b>NOTES:</b>									
Results in shaded boxes exceed the regulatory level.									

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	4-6	1-5	4-6	4-6	4-8	4-8	5-7
Aroclor 1016	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	NL	ND	ND	ND	ND	0.048	ND	ND	ND
Aroclor 1260	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	mg/kg	1	ND	ND	ND	ND	0.048	ND	ND	ND

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	Sampling Interval (feet)	Sample Name	Sampling Date	Sample Name	Sampling Date	Sample Name	Sampling Date
Aroclor 1016	mg/kg	NL	ND	ND	B-120-030107	03/01/07	B-121-030107	03/01/07	B-122-030107	03/01/07
Aroclor 1221	mg/kg	NL	ND	ND						
Aroclor 1232	mg/kg	NL	ND	ND						
Aroclor 1242	mg/kg	NL	ND	ND						
Aroclor 1248	mg/kg	NL	ND	ND						
Aroclor 1254	mg/kg	NL	ND	ND						
Aroclor 1260	mg/kg	NL	ND	ND						
Aroclor 1262	mg/kg	NL	ND	ND						
Aroclor 1268	mg/kg	NL	ND	ND						
Total PCBs	mg/kg	1	ND	ND						

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	4-6	1-7	2-4	3-6
Aroclor 1016	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1260	mg/kg	NL	ND	ND	ND	0.1	ND
Aroclor 1262	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1268	mg/kg	NL	ND	ND	ND	ND	ND
Total PCBs	mg/kg	1	ND	ND	ND	0.1	ND

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	3-7	3-5	4-10	1-2	1-2
Aroclor 1016	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	NL	ND	ND	ND	ND	ND	0.038
Aroclor 1260	mg/kg	NL	0.15	ND	ND	ND	ND	ND
Aroclor 1262	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1268	mg/kg	NL	ND	ND	ND	ND	ND	ND
Total PCBs	mg/kg	1	0.15	ND	ND	ND	ND	0.038

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup> Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

## NOTES.

Results in shaded boxes exceed the regulatory level.

**[Redacted]** Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker,

Ingestion pathway mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit  
NL - Not Listed

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**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	1-5	1-7	2-8	2-8	8-12	
Aroclor 1016	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	mg/kg	NL	ND	ND	ND	ND	ND	ND	ND
Total PCBs	mg/kg	1	ND	ND	ND	ND	ND	ND	ND

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	Sampling	Location	Sample Matrix	Sampling Date	Sample Name	Parameter
Aroclor 1016	mg/kg	NL	ND				ND	ND	ND
Aroclor 1221	mg/kg	NL	ND				ND	ND	ND
Aroclor 1232	mg/kg	NL	ND				ND	ND	ND
Aroclor 1242	mg/kg	NL	ND				ND	ND	ND
Aroclor 1248	mg/kg	NL	ND				ND	ND	ND
Aroclor 1254	mg/kg	NL	ND				ND	ND	ND
Aroclor 1260	mg/kg	NL	ND				ND	ND	ND
Aroclor 1262	mg/kg	NL	ND				ND	ND	ND
Aroclor 1268	mg/kg	NL	ND				ND	ND	ND
Total PCBs	mg/kg	1	ND				ND	ND	ND

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	0-6	1-8	2-6	1-5	
Aroclor 1016	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	NL	ND	0.1	ND	ND	ND	ND
Aroclor 1260	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1262	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1268	mg/kg	NL	ND	ND	ND	ND	ND	ND
Total PCBs	mg/kg	1	ND	0.1	ND	ND	ND	ND

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	1-8	10-11	1-6	1-5	
Aroclor 1016	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1260	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1262	mg/kg	NL	ND	ND	ND	ND	ND	ND
Aroclor 1268	mg/kg	NL	ND	ND	ND	ND	ND	ND
Total PCBs	mg/kg	1	ND	ND	ND	ND	ND	ND

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

## NOTES.

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker,

Ingestion pathway mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit  
NL - Not Listed

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**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

## NOTES.

Results in shaded boxes exceed the regulatory level

[Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker,

Ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detect  
NI - Not listed

NL - Not Listed

**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

## NOTES.

Results in shaded boxes exceed the regulatory level.

Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker,

Ingestion pathway mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit  
NL - Not Listed

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**Table 2**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**February 27 - March 9, 2007**

Parameter	Units	Regulatory Level <sup>1</sup>	Sampling Interval (feet)	2-4	2-5	3-6	2-6
Aroclor 1016	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1221	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1232	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1242	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1248	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1254	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1260	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1262	mg/kg	NL	ND	ND	ND	ND	ND
Aroclor 1268	mg/kg	NL	ND	ND	ND	ND	ND
Total PCBs	mg/kg	1	ND	ND	ND	ND	ND

**NOTES:**

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Illinois' Tiered Approach to Corrective Action sec. 742 app. B, Tier I Industrial-Commercial, Construction Worker, ingestion pathway

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**Table 3**  
**Analytical Results for PCBs**  
**Ingersoll Site**  
**Chicago, Illinois**  
**March 29, 2007**

Parameter	Units	Sample Name	OIL-1-030807	OIL-2-030807		
		Sampling Date	03/08/07	03/08/07		
		Sample Matrix	Oil	Oil		
		Location	Pit north of Building 1018	Pit inside Building 1014		
Regulatory Level <sup>1</sup>						
<b>PCBs</b>						
Aroclor 1016	mg/kg	NL	ND	ND		
Aroclor 1221	mg/kg	NL	ND	ND		
Aroclor 1232	mg/kg	NL	ND	ND		
Aroclor 1242	mg/kg	NL	ND	ND		
Aroclor 1248	mg/kg	NL	ND	ND		
Aroclor 1254	mg/kg	NL	ND	530		
Aroclor 1260	mg/kg	NL	ND	ND		
Aroclor 1262	mg/kg	NL	ND	ND		
Aroclor 1268	mg/kg	NL	ND	ND		
Total PCBs	mg/kg	50	ND	<b>530</b>		

NOTES:

Results in shaded boxes exceed the regulatory level.

<sup>1</sup>Toxic Substances Control Act Waste Characterization Standard (50 parts per million)

mg/kg - milligrams per kilogram

ND - Not detected at the method detection limit

NL - Not Listed

**ATTACHMENT C**

**PHOTOGRAPHIC DOCUMENTATION**



**Site:** Ingersoll

**Photo Number:** 1

**Direction:** Southwest

**Subject:** Location where sample OIL-2-030807 was collected

**Date:** 3/5/07

**Photographer:** Jay Rauh



**Site:** Ingersoll

**Photo Number:** 2

**Direction:** South

**Subject:** ERRS crew and Geoprobe at soil boring B-141-030607 in building 713

**Date:** 3/5/07

**Photographer:** Jay Rauh



**Site:** Ingersoll

**Photo Number:** 3

**Direction:** North

**Subject:** Soil boring B-157-030607

**Date:** 3/6/07

**Photographer:** Jay Rauh



**Site:** Ingersoll

**Photo Number:** 4

**Direction:** East

**Subject:** Soil boring B-171-030807

**Date:** 3/8/07

**Photographer:** Jay Rauh



**Site:** Ingersoll

**Photo Number:** 5

**Direction:** East

**Subject:** Soil boring B-169-030807

**Date:** 3/8/07

**Photographer:** Jay Rauh



**Site:** Ingersoll

**Photo Number:** 6

**Direction:** East

**Subject:** Soil boring B-179-030907

**Date:** 3/9/07

**Photographer:** Jay Rauh

**ATTACHMENT D**

**BORING LOGS**

B100



0802

PROJECT NAME AND LOCATION					PAGE NO.	HOLE NO.	
GEOLOGIC DRILL LOG			Tiger 5011				
START 2/27/67	FINISH 0800	DRILLER	DRILL METHOD 90 probe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 3' 9"	
LOGGER Rach	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			
SAMPLE NO. B-100-022707(273)	SAMPLE TYPE SPLIT SPOON	RECOVERY % 60%	ELEV.	DEPTH GRAPHIC LOG	WELL CONSTRUCTION CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION  Concrete  fill, clay, black petroleum odor, oily  resol, concrete 3' 9"	NOTES  petroleum odor, but no reading on multirad
						PAGE NO. HOLE NO.	
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER							

R-101



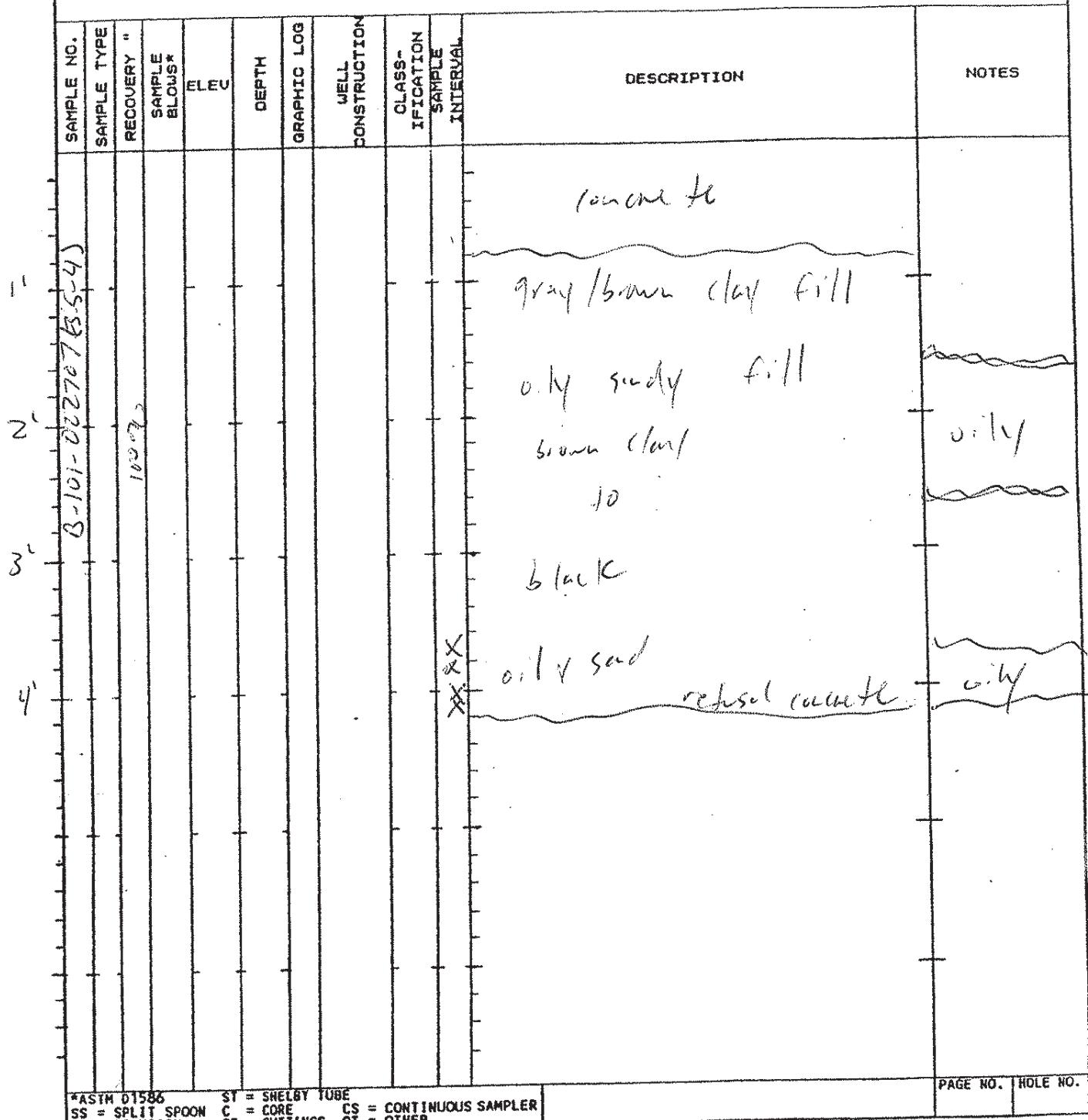
1000

## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

PAGE NO. HOLE NO.

START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
2/21/07	1000		gravel			4' 1"
LOGGER	TOP OF CASTING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		
Rauh						



\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.

B-102



1030

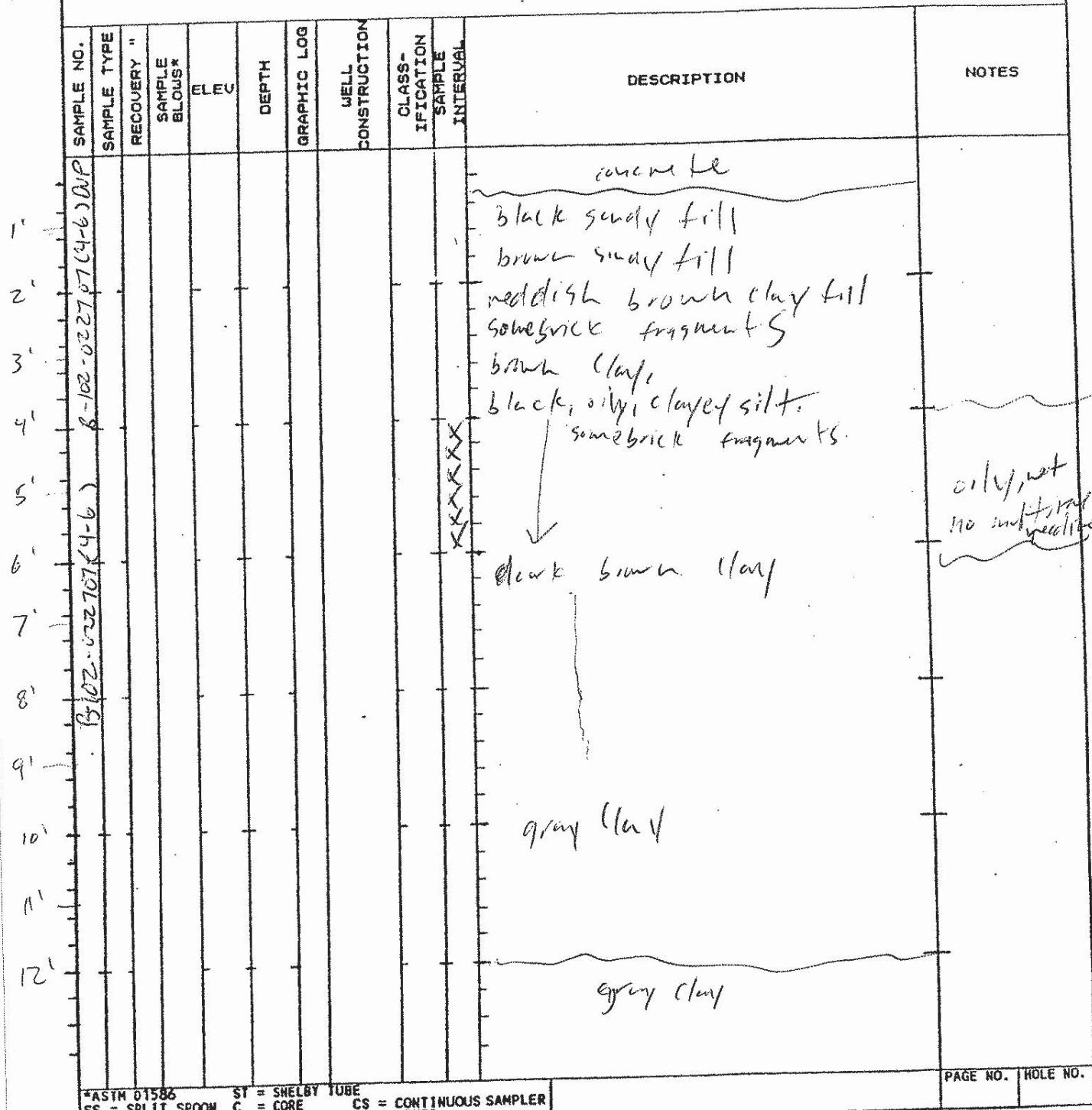
## GEOLOGIC DRILL LOG

PROJECT NAME AND LOCATION

Ingersoll

PAGE NO. HOLE NO.

START 2/21/07	FINISH 1030	DRILLER	DRILL METHOD Geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'
LOGGER Randy		TOP OF CASTING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

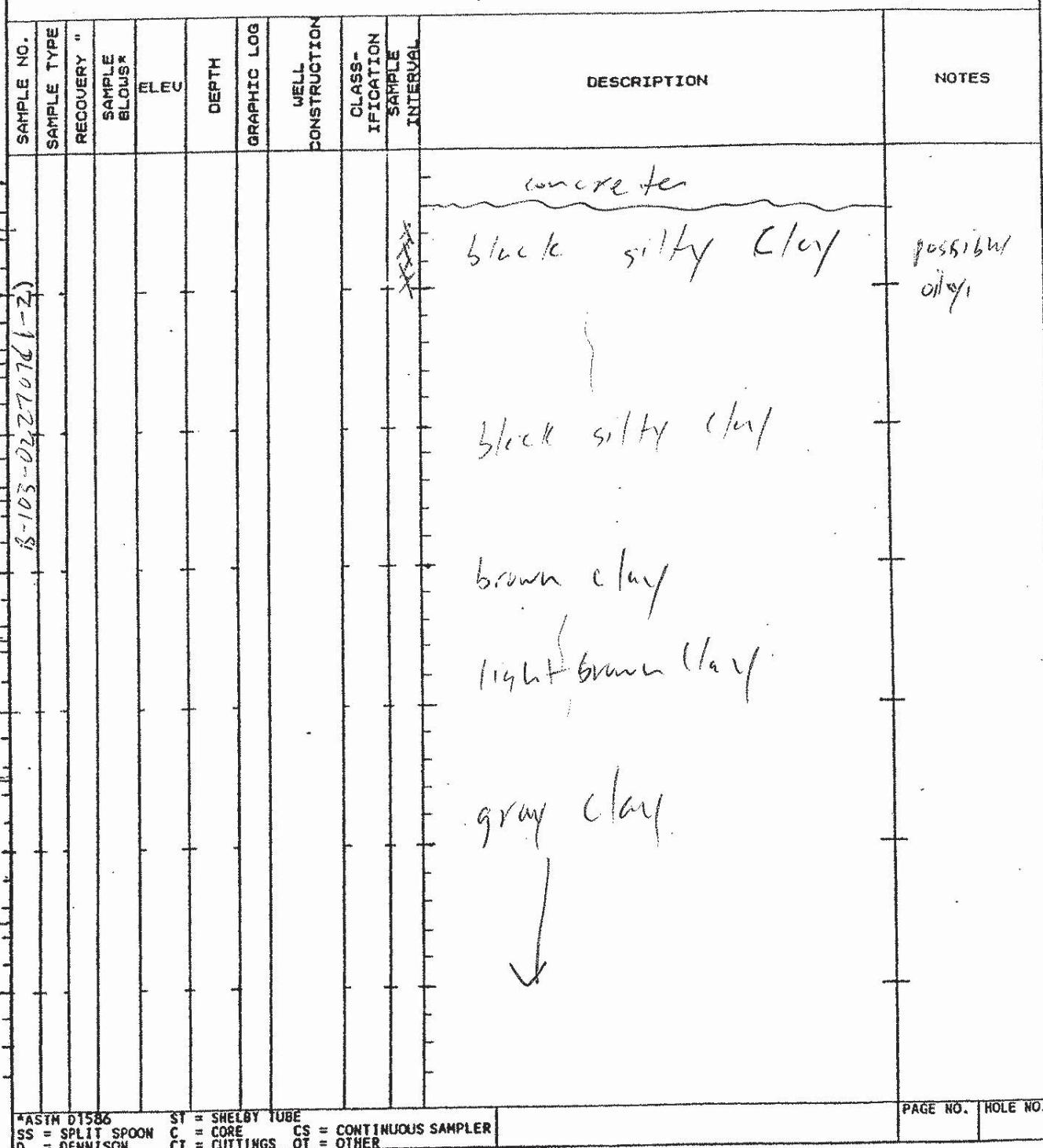


B103



1100

<b>GEOLOGIC DRILL LOG</b>			PROJECT NAME AND LOCATION <i>Ingerso 11</i>			PAGE NO.	HOLE NO.
START 2/27/09	FINISH 1100	DRILLER	DRILL METHOD <i>Coredrill</i>	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'	
LOGGER <i>Ranch</i>	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			



B-104

1035

**WESTON**

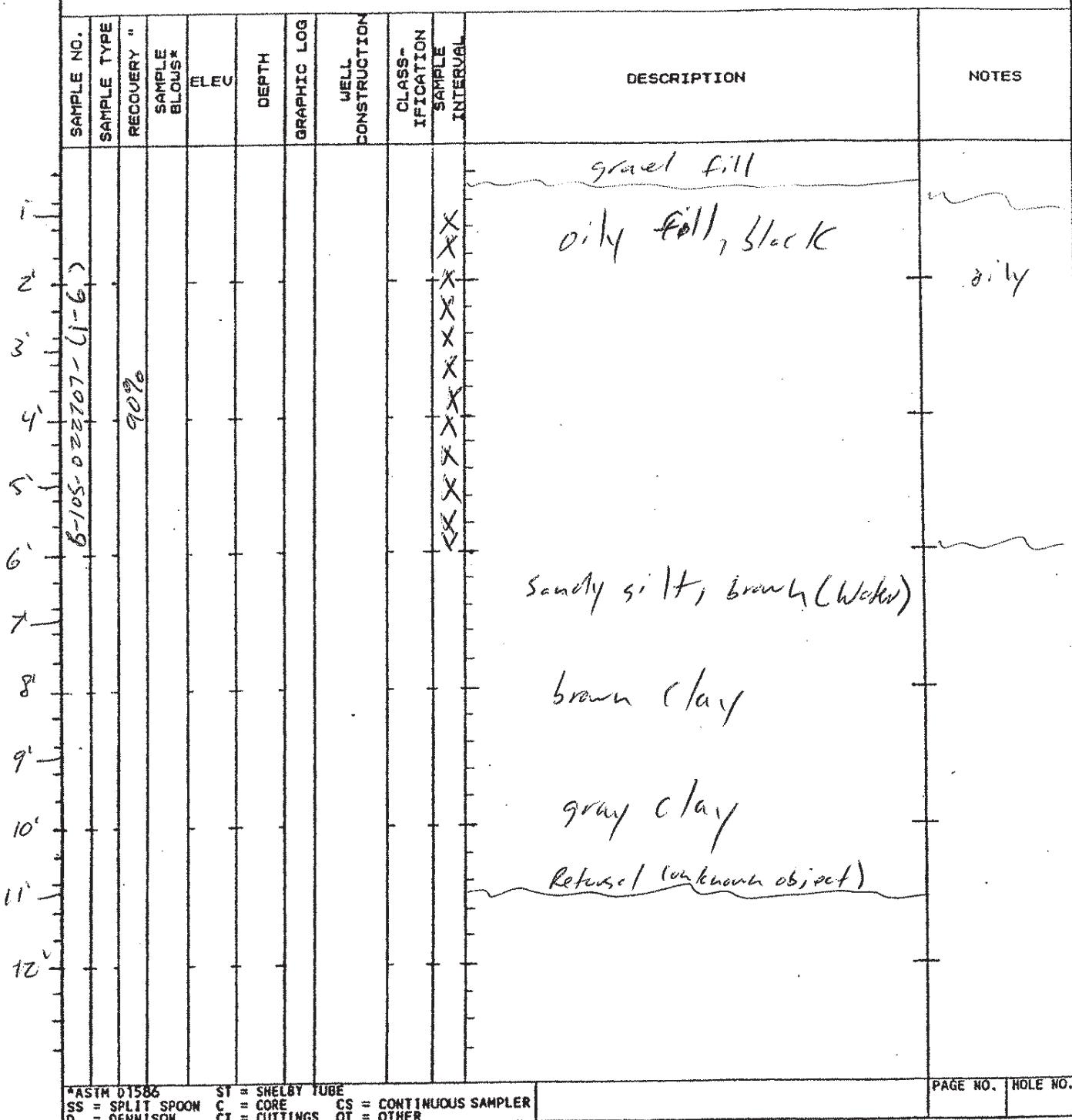
\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.	HOLE NO.
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B-105



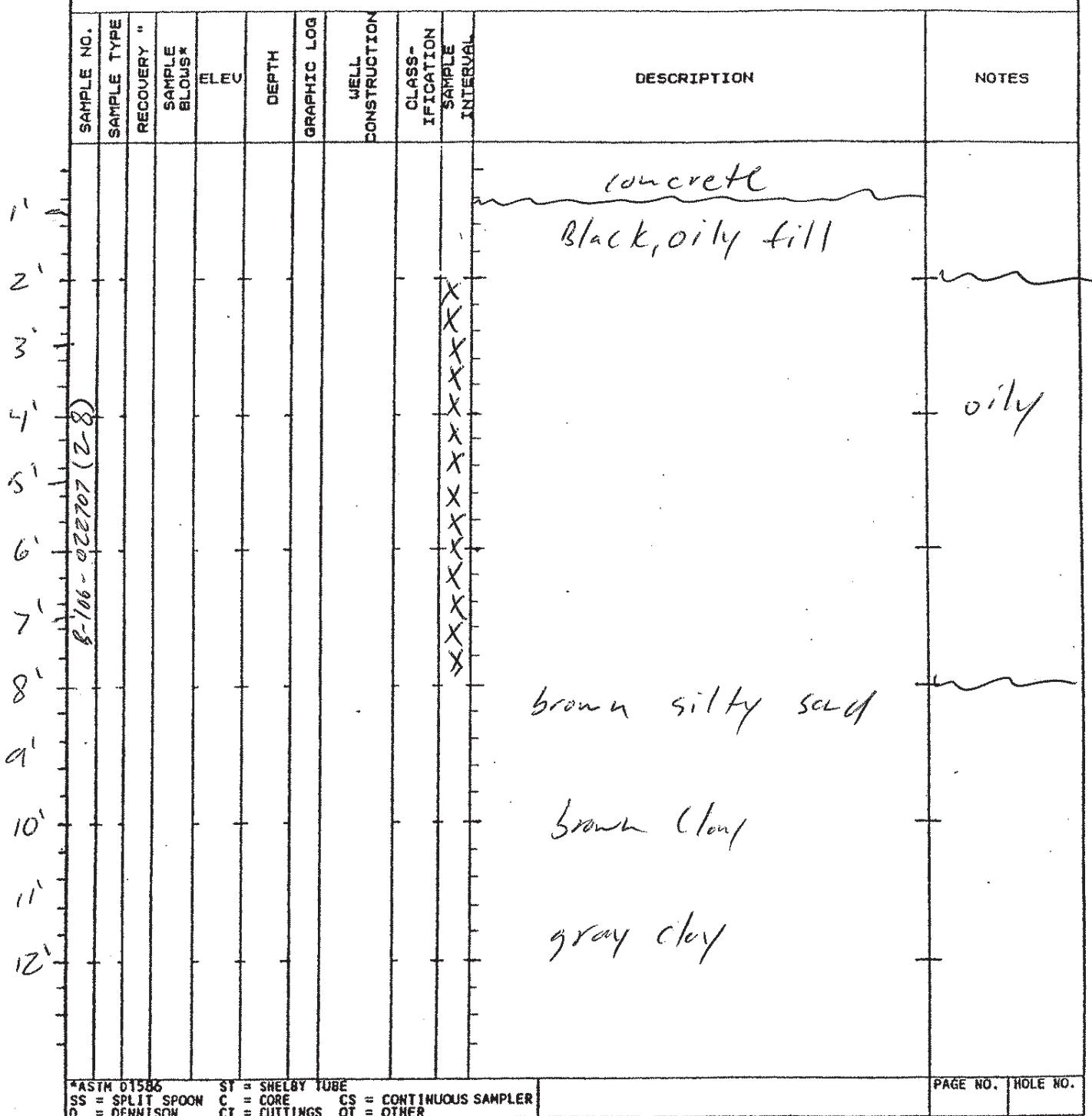
PROJECT NAME AND LOCATION				PAGE NO.	HOLE NO.	
START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
2/21/07	1300		geoprobe			11' 6"
LOGGER Rav L	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		





7400

<b>GEOLOGIC DRILL LOG</b>			PROJECT NAME AND LOCATION <i>Ingersoll</i>			PAGE NO.	HOLE NO.
START 2/27/09	FINISH 1400	DRILLER	DRILL METHOD <i>geoprobe</i>	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'	
LOGGER <i>Rawl</i>	TOP OF CASTING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			



\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER  
 D = DENNISON       CT = CUTTINGS    OT = OTHER

PAGE NO.      HOLE NO.

~~LEEDS~~

PROJECT NAME AND LOCATION <i>Ingersoll</i>					PAGE NO.	HOLE NO.						
GEOLOGIC DRILL LOG		DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH						
START 2/1/07	FINISH 1430	DRILLER	geoprobe			10' 6"						
LOGGER Raul	TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED									
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEC	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION		NOTES
4										concrete		
6										water, var +		
8												
10								X	X	rock fill, oily tar, gravel		oily
12								X	X	refuse, rock fill		
*ASTM D1586      ST = SHELBY TUBE SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER D = DENNISON       CT = CUTTINGS    OT = OTHER										PAGE NO.	HOLE NO.	

*B-107-030107 (2-10)*

*#500*

B-108



GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.																																																																																																																																															
START 2/21/01	FINISH 1615	DRILLER		DRILL METHOD probe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'																																																																																																																																																
LOGGER Raul		TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED																																																																																																																																																		
<table border="1"> <thead> <tr> <th>SAMPLE NO.</th> <th>SAMPLE TYPE</th> <th>RECOVERY "</th> <th>SAMPLE ELOWS*</th> <th>ELEV.</th> <th>DEPTH</th> <th>GRAPHIC LOG</th> <th>WELL CONSTRUCTION</th> <th>CLASSIFICATION SAMPLE INTERVAL</th> <th>DESCRIPTION</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>B-108-022707(2-4)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>- black silty fill</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>- limestone gravel fill, white</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>- black/brown sandy silt</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>- fill. Some red brick</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>fragments</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>tight brown sand</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>brown silty clay saturated with water</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>brown clay</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>gray clay, some sand</td> <td></td> </tr> <tr> <td></td> </tr> <tr> <td colspan="9"> <small>*ASTM D1586    ST = SHELBY TUBE            SS = SPLIT SPOON    C = CORE    CS = CONTINUOUS SAMPLER            D = DENNISON    CT = CUTTINGS    OT = OTHER</small> </td> <td>PAGE NO.</td> <td>HOLE NO.</td> </tr> </tbody> </table>									SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE ELOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES	B-108-022707(2-4)									- black silty fill											- limestone gravel fill, white									X		- black/brown sandy silt									X		- fill. Some red brick									X		fragments									X													tight brown sand											brown silty clay saturated with water											brown clay											gray clay, some sand													<small>*ASTM D1586    ST = SHELBY TUBE            SS = SPLIT SPOON    C = CORE    CS = CONTINUOUS SAMPLER            D = DENNISON    CT = CUTTINGS    OT = OTHER</small>									PAGE NO.	HOLE NO.
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B-109

**WESTON**

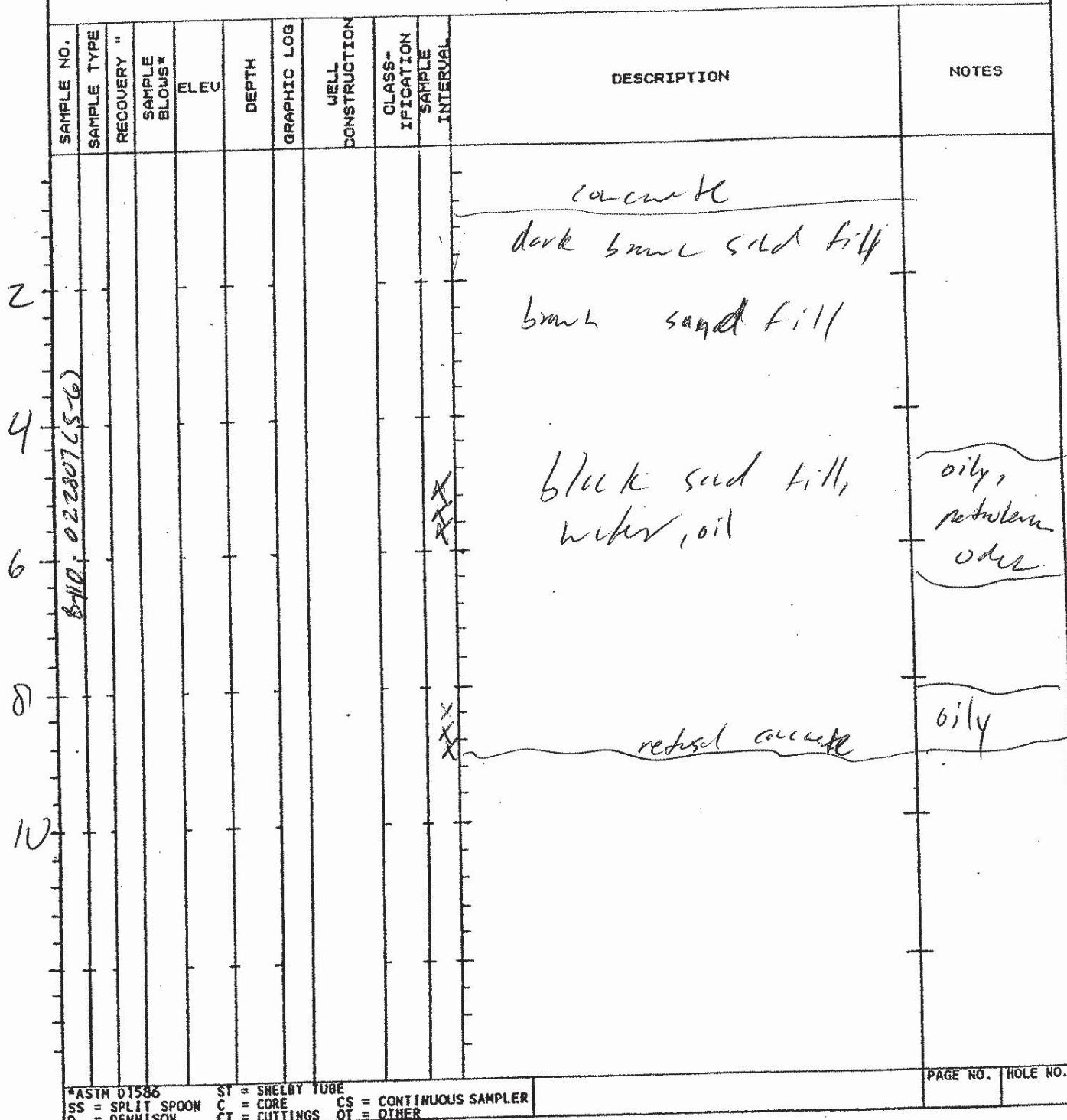
GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION Tigero II	PAGE NO.	HOLE NO.			
START LOGGER Rough	FINISH 0730	DRILLER	DRILL METHOD geopnsy	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 91			
		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE ELEV. BLOWN *	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
							X	runel fill	
							X	large white rock, m concreted	no. 1
							X	white sand, watery fill	
								red sand, brick fragm+s sill	
								clay-brick mix	
								brick fill, ash sc	

BLDG-022807-C0-05)

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER



GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION Tiger Soil			PAGE NO.	HOLE NO.
START 0830	FINISH 9/18/01	DRILLER	DRILL METHOD geopulse	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 9'	
LOGGER Randy	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER		DATE MEASURED	



B-III

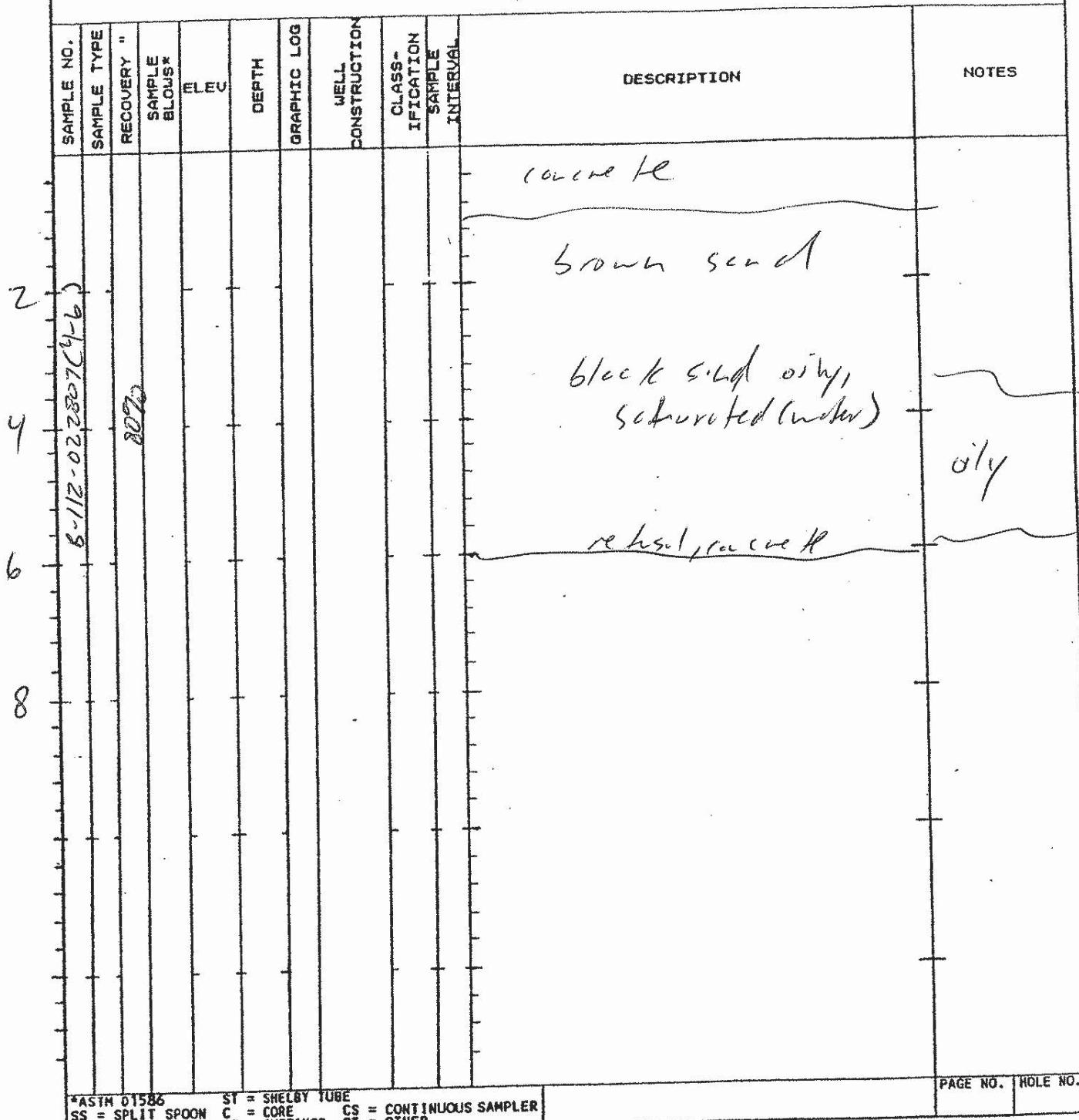


\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

B-11C



GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION Ingersoll 4			PAGE NO.	HOLE NO.
START 10/15	FINISH 2/28/01	DRILLER	DRILL METHOD Geophyte	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 61		
LOGGER Raul	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				



\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON      C = CORE      CS = CONTINUOUS SAMPLER  
 D = DENNISON      CT = CUTTINGS      OT = OTHER

PAGE NO.      HOLE NO.

B-113



## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

PAGE NO. HOLE NO.

GEOLOGIC DRILL LOG			Iggerso II			
START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
1130	22801	Leopold				121
LOGGER		TOP OF CASTING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENHISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

B114



<b>GEOLOGIC DRILL LOG</b>			PROJECT NAME AND LOCATION <i>Ihsersoll</i>			PAGE NO.	HOLE NO.
START 2/28/01	FINISH 1230	DRILLER	DRILL METHOD <i>geoprobe</i>	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 3'	
LOGGER <i>Rock</i>	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEC	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
									<i>concrete</i>	
									<i>refusal</i>	

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

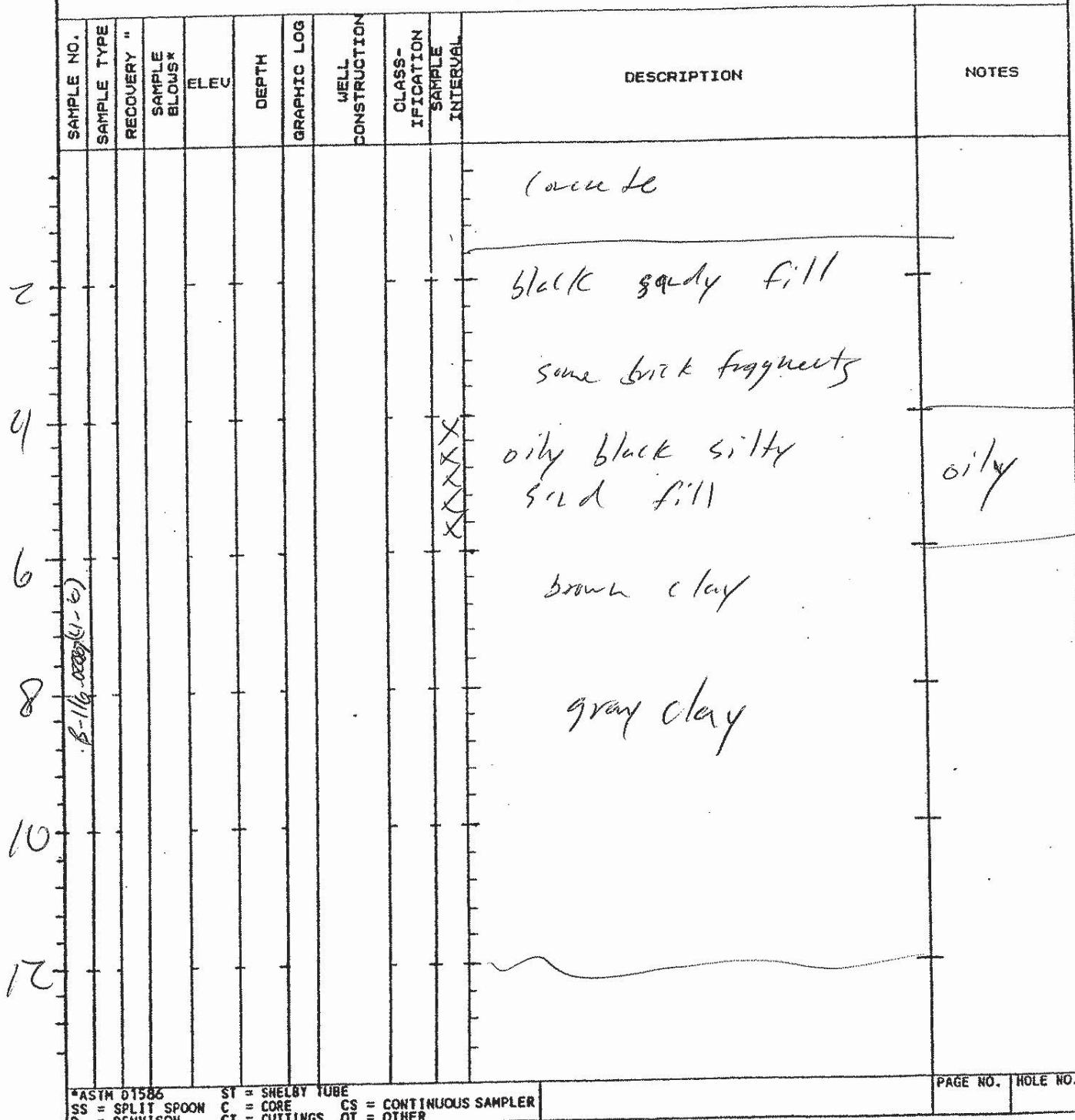


GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.		
START 1330	FINISH 2188	DRILLER Ingersoll		DRILL METHOD geopony	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 6'			
LOGGER Raul		TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO. B-115-02280774-6	SAMPLE TYPE 602	RECOVERY %	SAMPLE BLOWNS*	ELEVU	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1									limestone	60 visibly oil
2									crushed limestone fill, white	
3									Brown silty clay fill	
4								X	F sandy fill, streaked (HCO) brown, slight retrograde order	
5								X		
6								X	refined, concrete	
*ASTM D1586 SS = SPLIT SPOON D = DENNISON CT = CUTTINGS									PAGE NO.	HOLE NO.
ST = SHELBY TUBE C = CORE OT = OTHER CS = CONTINUOUS SAMPLER										

B116



PROJECT NAME AND LOCATION Tucson 11				PAGE NO.	HOLE NO.	
GEOLOGIC DRILL LOG		DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
START 1530	FINISH 2080	DRILLER	geoprobe			12'
LOGGER Raul	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		



B-117



GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.					
START 1209	FINISH 3845	DRILLER	DRILL METHOD	BOREHOLE DIAMETER		WELL DIAMETER	TOTAL DEPTH					
		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED								
LOGGER Ran h												
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION		NOTES
2										concrete		rebar
4										black fill, some white rocks. possibly HC stains		HC oil ✓
6										red brick fragments		slight staining
8										black fill, silty		
										white bricks		
										black fill		
										red bricks		
										black sandy fill		
										brown sand		
										gray, clay, some sand		
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER										PAGE NO.	HOLE NO.	

B-118



## GEOLOGIC DRILL LOG

PROJECT NAME AND LOCATION

Theresa II

PAGE NO. HOLE NO.

START 0730	FINISH	DRILLER	DRILL METHOD geobore	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'
LOGGER Rach	TOP OF CASING ELEV.		GROUND/ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

3/1/10

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEU	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
6-118-030207 C4-8)										
2									concrete	
4									white lime stone fill	
6								X	brown/dark brown clay fill	
8								X	sandy fill	
10								X	dark brown / black	
12								X	clay fill, sound	oil staining
								X	ødby staining	
									smokey clay	
									gray clay	

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

B-119

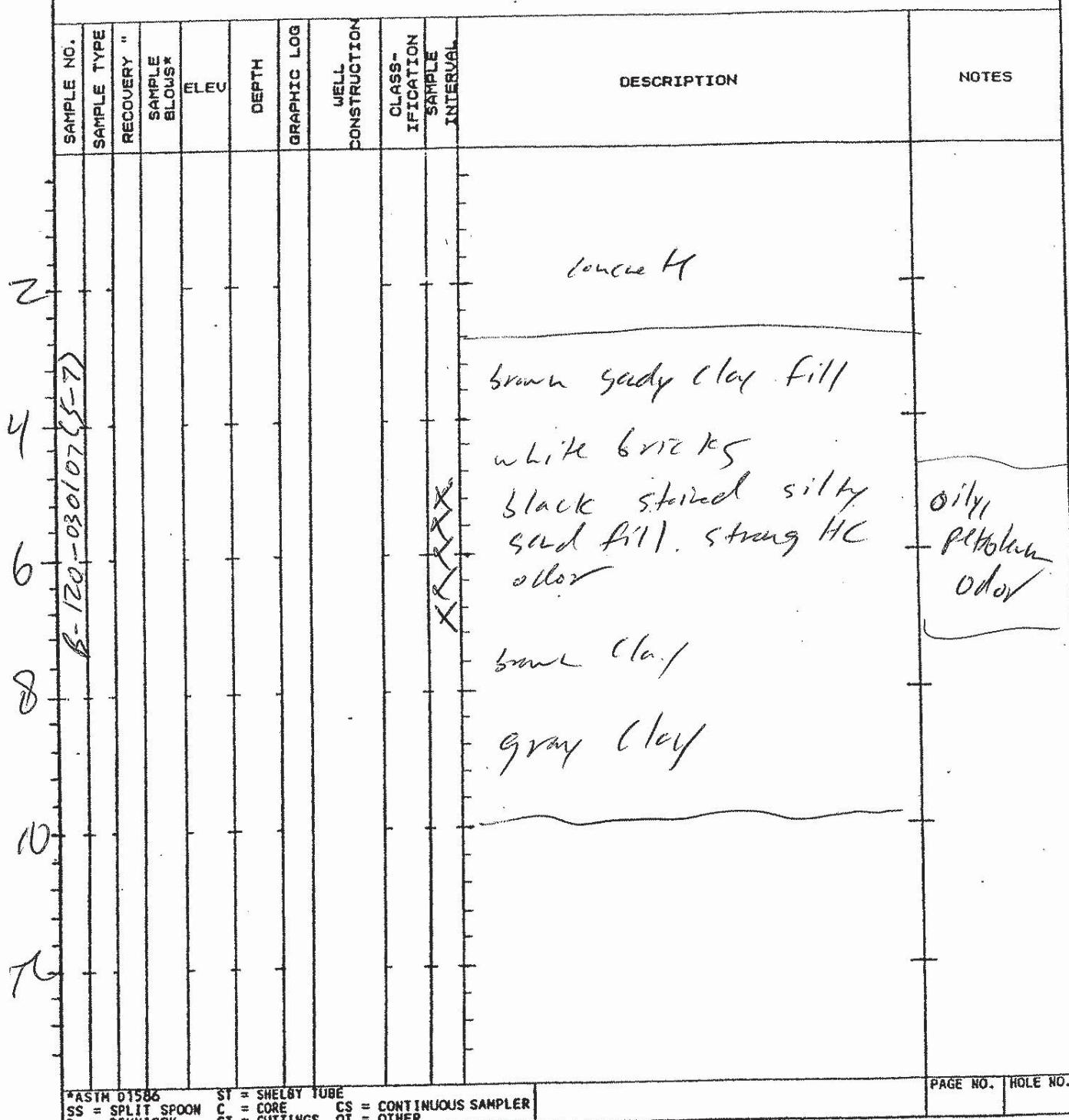


GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION <i>Dugout</i>		PAGE NO.	HOLE NO.		
START 3/11/07	FINISH 0915	DRILLER	DRILL METHOD <i>Auger</i>	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'			
LOGGER <i>Rocky</i>	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO.	SAMPLE TYPE	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	DESCRIPTION		NOTES	
RECOVERY "	SAMPLE BLOWN X				CLASSIFICATION				
					SAMPLE INTERVAL				
<p><i>2</i> B-119-030107(5-7)</p> <p><i>4</i> brown clay fill, white bricks slate silty, slight organic odor</p> <p><i>6</i> black clayey fill Strong organic odor oil staining</p> <p><i>8</i> gray clay</p> <p><i>10</i></p> <p><i>12</i></p>								<i>black, oily</i>	
<small>*ASTM D1586 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER</small>								PAGE NO.	HOLE NO.

B-120



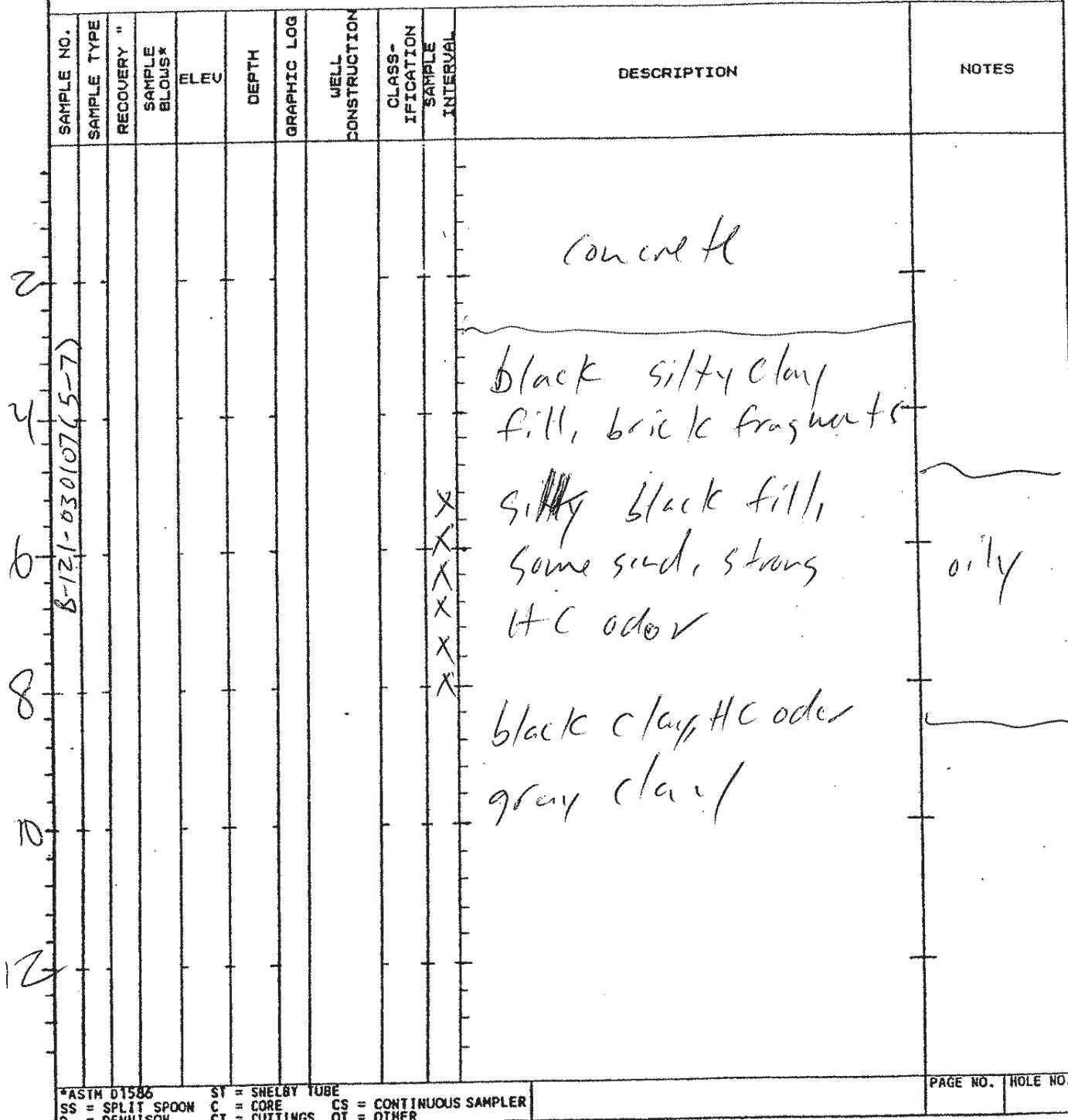
GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION	PAGE NO.	HOLE NO.	
START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/11/07	1030		Scrapie			10
Logger Raul		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		



B-12)



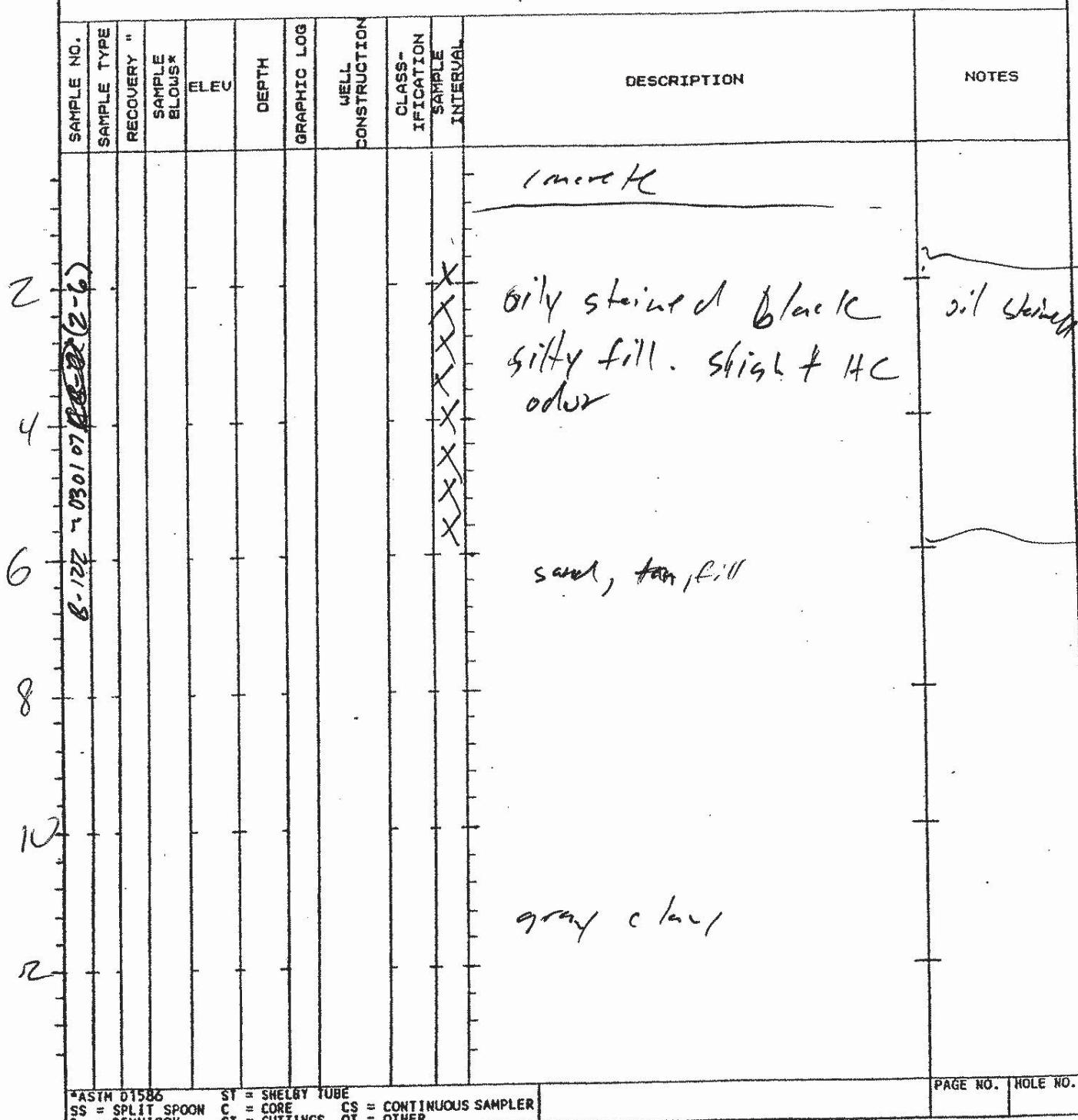
GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION Engersol			PAGE NO.	HOLE NO.
START 3/1/07	FINISH 1115	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 10'	
LOGGER		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			



B-122



GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.
START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/1/07	13/15		geo probe			12'
LOGGER Ran h		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		



B-123



GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.
START 3/1/07	FINISH 1530	DRILLER	DRILL METHOD geophone	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8'
LOGGER Raul	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
B-123-030102-(4-6)									concrete	
2									silty fill	
4									white bricks	
6								X	sand, tan	
8								X	stock fill, sand	
								X	HC strings vs, little odor	
								X		slight HC smell
									brown clay	
									gray clay	

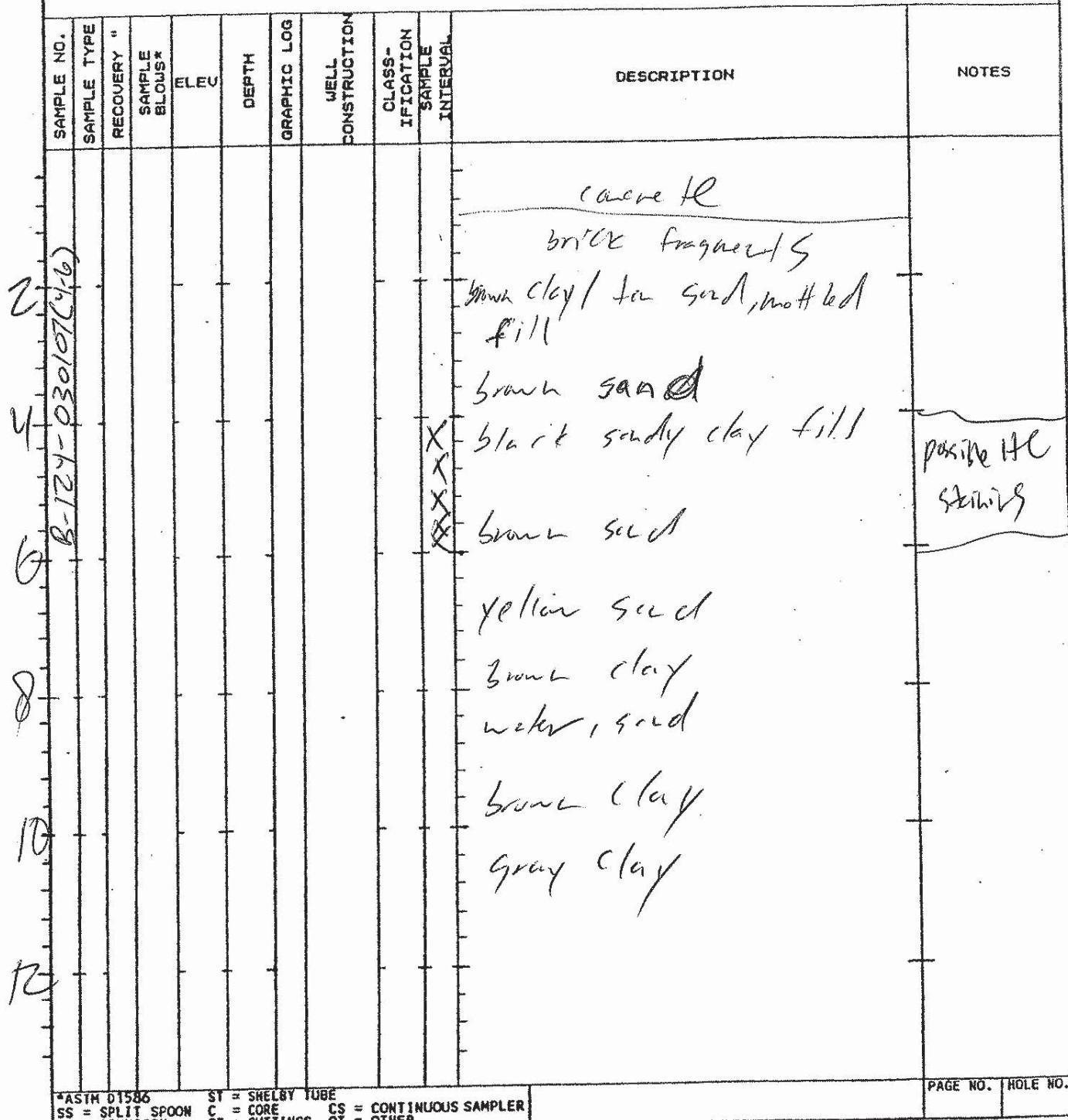
\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

B-124



GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION	PAGE NO.	HOLE NO.
START 3/1/07	FINISH 1630	DRILLER	DRILL METHOD Geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'
LOGGER Reyn		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		



\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

# WESTON

B-124

## GEOLOGIC DRILL LOG

PROJECT NAME AND LOCATION

PAGE NO. | HOLE NO.

<b>GEOLOGIC DRILL LOG</b>		PROJECT NAME AND LOCATION <i>Dugway</i>	FILE NO.			
START <i>3/2/07</i>	FINISH <i>0915</i>	DRILLER	DRILL METHOD <i>geoprobe</i>	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH <i>3'</i>
LOGGER <i>Rub</i>	TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.



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PROJECT NAME AND LOCATION						PAGE NO.	HOLE NO.
GEOLOGIC DRILL LOG			Engerswell				
START 3/2/07	FINISH 1030	DRILLER	DRILL METHOD	BOREHOLE DIAMETER <i>open hole</i>	WELL DIAMETER	TOTAL DEPTH 3	
LOGGER Rex	TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWSX	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
Z									concrete	samped but no HC not in 3, b/c
2							X		sand fill	
4							X		lignite, refuse	
B-126-002-07(1-2)										

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

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PROJECT NAME AND LOCATION					PAGE NO.	HOLE NO.					
GEOLOGIC DRILL LOG			Drill Method								
START 3/2/07	FINISH 1140	DRILLER	DRILL METHOD recon by	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'					
LOGGER Rauh		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED							
8-127-030207 (1-2)	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION	NOTES
								X		concrete fl	
								X		brown silty fill	
								X		red bricks	
								X		brown/black silty clay fill	oily, stained
								X		black silty clay fill	
								X		red bricks	
								X		brown sandy clay	
								X		dark brown sandy clay	oily,
								X		gray sandy clay	
									water		
									gray clay		
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER										PAGE NO.	HOLE NO.

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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.
START 3/2/07	FINISH 123(7)	DRILLER Rash	ORTEL METHOD Geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 10'
LOGGER	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWN	ELEC	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1									concrete fl	
2									black silty silt some pebbles	
3							X-X	X-X	black clayey silt, some H/C structures	oily
4							X-X	X-X	brown silt	
5									gray clay	
6										
7										
8										
9										
10										

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.



GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION <i>Ingersoll</i>			PAGE NO.	HOLE NO.		
START 3/20/07	FINISH 1330	DRILLER	DRILL METHOD <i>geoprobe</i>	BOREHOLE DIAMETER		WELL DIAMETER	TOTAL DEPTH 12'			
LOGGER <i>Ron</i>		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2									<i>concrete fl</i>	
4									<i>black / brown clayey silt fill, some rocks</i>	
6									<i>black, only silty sand fill</i>	<i>uvy</i>
8									<i>brown/black silty sand fill, oily</i>	
10									<i>brown sandy clay</i>	
12									<i>brown clay</i>	
									<i>gray clay</i>	
*ASTM D1586 SS = SPLIT SPOON   ST = SHELBY TUBE D = DENNISON   CT = CUTTINGS   CS = CONTINUOUS SAMPLER OT = OTHER									PAGE NO.	HOLE NO.

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PROJECT NAME AND LOCATION							PAGE NO.	HOLE NO.	
START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH			
LOGGER			TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				
SAMPLE NO.	SAMPLE TYPE	"	"	"	"	"			
RECOVERY "	SAMPLE BLOWS*	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES	
B-130-030207 C3-75							yellow fine red brick s		
							oily sand, free product + HC odor		
									oil, <del>product</del> product
							white brick sander gray clay		

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.



GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.			
START 3/6/07	FINISH 1530	DRILLER	DRILL METHOD rotatable	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12				
LOGGER Ruby	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO.	SAMPLE TYPE	RECOVERY %	SAMPLE BLOWNS	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1									concrete fl	
2									red fill, wet, possibly oxidized	
3									some fr. II	
4									black oily, watery clay	oily
5									gravel	
6									water, oil produce +	oily, pocket
									PAGE NO.	HOLE NO.

B-131-P30207 (4-10)

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

B-132



GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.	
START 3/5/07	FINISH 0830	DRILLER		DRILL METHOD Geo probe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 81		
LOGGER Raul		TOP OF CASTING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				
SAMPLE NO.  B-132-030507(1-2)	SAMPLE TYPE  90%	RECOVERY %  90%	SAMPLE ELEV.  90%	DEPTH  20	GRAPHIC LOG  X	WELL CONSTRUCTION  X	CLASSIFICATION SAMPLE INTERVAL  black oily fill, some sand and rock fragments white gravel black and brown clay fill	DESCRIPTION  concrete oily	NOTES
4				12				brown clay	
6				8				gray clay	
8									
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER								PAGE NO.	HOLE NO.

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## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

PAGE NO.      HOLE NO.

START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/15/07	0930		geoprobe			81
LOGGER	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		
Park						

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
6-133-030507 (1-2)									concrete	
							X		black silty clay fill. Oily Some bricks gravel, brown, some sand tan sand fill dark brown clay.	oily
									Saturated (H2O) sandy silt brown	
									tan . sandy clay/ brown clay/ gray clay	

\*ASTH D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      FILE NO.



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.		
START 3/5/07	FINISH 0950	DRILLER	DRILL METHOD geo probe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 81				
LOGGER Rawh	TOP of CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
									concrete fl <del>top</del>	
									X black silt, gravel, sand, clay	oily
									X fill materials	
									X black clay, some sand	
									X fragments	
									X brown sandy clay	
									X	
									brown sandy clay	
									water	
									gray clay	
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER								PAGE NO.	HOLE NO.	



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION Tugarsso 11				PAGE NO.	HOLE NO.		
START 3/15/07	FINISH 10:45	DRILLER	DRILL METHOD geo probe	BOREHOLE DIAMETER		WELL DIAMETER	TOTAL DEPTH 81				
LOGGER Raul	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED							
SAMPLE NO.	SAMPLE TYPE	"	RECOVERY %	SAMPLE BLOWS	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1										concrete	
2										Kathy black clayey fill HC color some rocks	0.16
3										black/brown mottled clay	
4										gravel gray silty clay fill	
5										tan sandy silt, no fill	
6										gray clay	
7											
8											
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER										PAGE NO.	HOLE NO.

# WESTON

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## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

PAGE NO. | HOLE NO.

START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/30/07	1130		geoprobe			41'
LOGGER	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		
Rash						

F Br-136-030507(1-2)	SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWN*	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION	NOTES
											sample R	
								X	black/brown silty clay			
								X	fill, possible oil staining			Possible HC staining
								X	fine sand			
								X	white gravel/gravel			
								X	brown clay			
								X	refugilite-like			

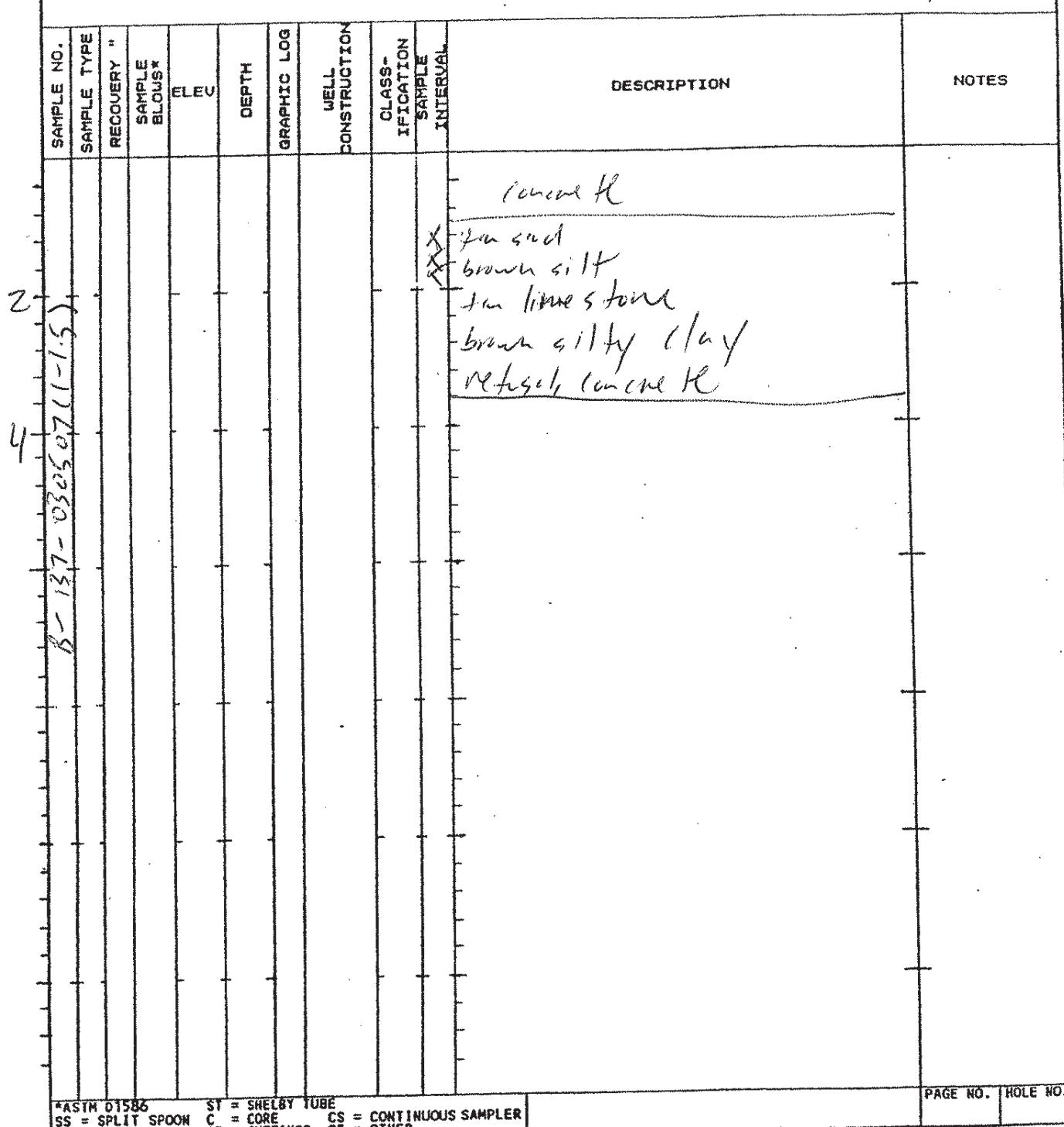
\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.

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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION	PAGE NO.	HOLE NO.
START 3/3/07	FINISH 1240	DRILLER	DRILL METHOD 960-210-68	BOREHOLE DIAMETER	WELL DIAMETER
LOGGER	TOP OF CASTING ELEV.		GROUND ELEVATION	TOTAL DEPTH 3.5'	
				DEPTH/ELEVATION GROUNDWATER - DATE MEASURED	



\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.



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## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

PAGE NO.      HOLE NO.

START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/5/07	1320		geoprobe			81
LOGGER	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		
Park						

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.



8-139

GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.
START 3/15/07	FINISH 1400	DRILLER Raul	DRILL METHOD Geophysical	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8'	
LOGGER	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
B-139-03607 (1-1a)									concrete to	
									black clayey silt, some	
									rocks and brick fragments	
									brown silt, some black	
									Stainings	
									red brick s	
									gray/red soil	
									orange sand, some brown	
									clay.	
									bilby	
									brown sand, water	
									red sand, water	
									gray clay	

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DEHNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

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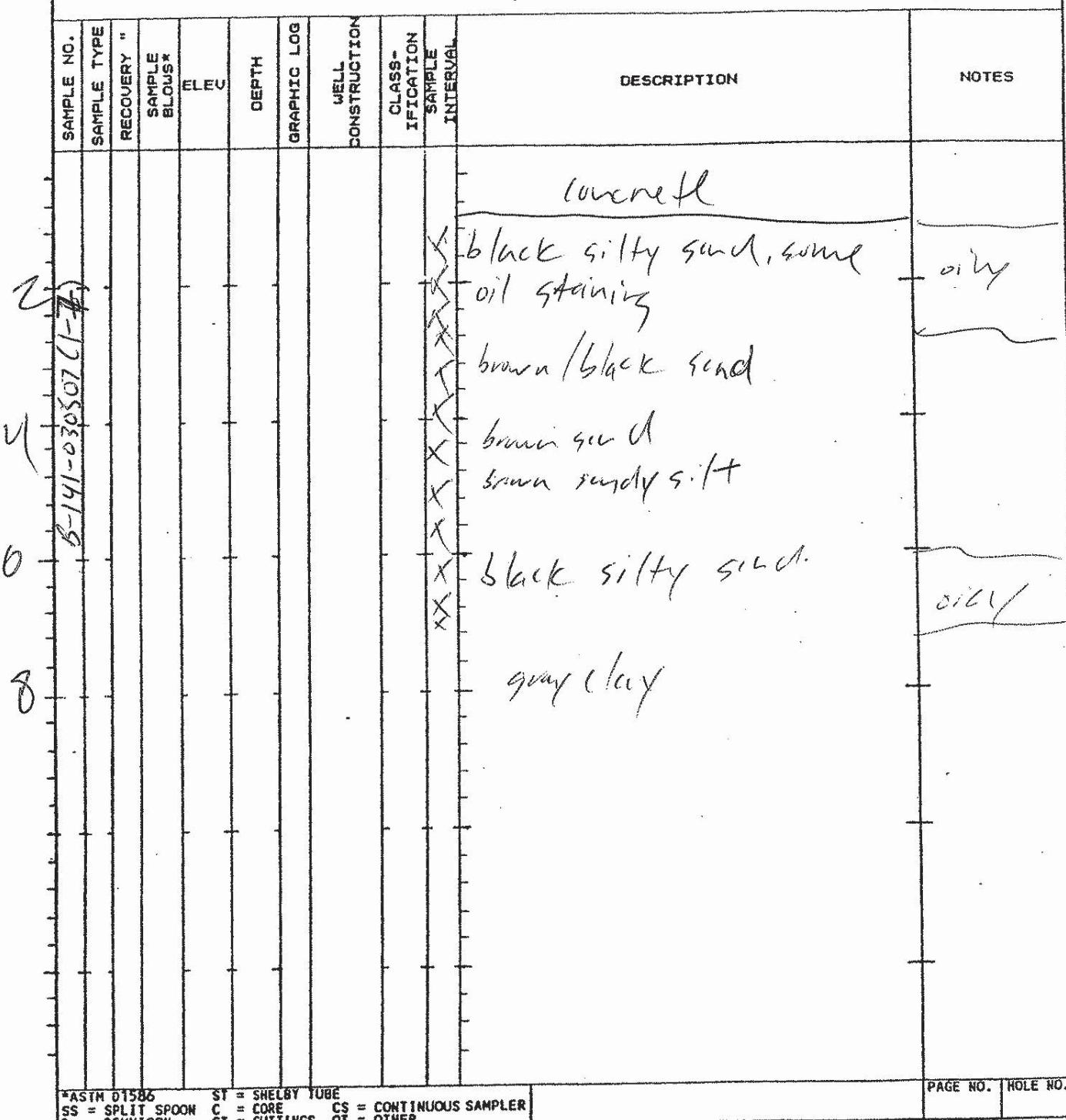


GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION Insego II				PAGE NO.	HOLE NO.		
START 3/3/07	FINISH 1430	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 81					
LOGGER Lacy	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED							
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWN*	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION		NOTES
2	.	.	.	.	.	.	.	.	calcareous		
4	.	.	.	.	.	.	.	X	black silty clay, mottled		
6	.	.	.	.	.	.	.	X	brown mottled clay		dry
7	.	.	.	.	.	.	.	X	black silty clay		
8	.	.	.	.	.	.	.	X	orange/brown sand, water		
B140-030507(1-5)	.	.	.	.	.	.	.	X	orange sand, some water		
	.	.	.	.	.	.	.	X	gray sand, brown silt, rocks		
	.	.	.	.	.	.	.	X	gray clay		
*ASTM D1586 SS = SPLIT SPOON D = DENNISON								ST = SHELBY TUBE CT = CUTTINGS	CS = CONTINUOUS SAMPLER OT = OTHER	PAGE NO.	HOLE NO.

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<b>GEOLOGIC DRILL LOG</b>			PROJECT NAME AND LOCATION Dryersoll			PAGE NO.	HOLE NO.
START 3/15/07	FINISH 1530	DRILLER	DRILL METHOD geo probe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8	
LOGGER Raul	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			



\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER  
 D = DENNISON       CT = CUTTINGS   OT = OTHER

PAGE NO. HOLE NO.

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## **GEOLOGIC DRILL LOG**

**PROJECT NAME AND LOCATION**

PAGE NO.      HOLE NO.

START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/5/07	1600		geoprobe			10'
LOGGER	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		
Ron						

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEU	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION	NOTES
B-14C-080302Ch-6										concrete fl	
										black sandy silt	0.64
										oily, some rocks	
										tan sand, some sandy clay	
										yellow sand, some	
										black clay	
										brown silty soil	
										brown silty clay, some white	
										gray clay	

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.

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\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.	
START 3/6/07	FINISH 8:30	DRILLER	DRILL METHOD coring	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8			
LOGGER Rwl	TOP OF CASING ELEV.		GROUND/ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO. 2-144-030607 (1-3)	SAMPLE TYPE RECOVERY "	SAMPLE ELEV. ELEV.	DEPTH GRAPHIC LOG	WELL CONSTRUCTION CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION		NOTES		
2					grass / top soil black fill, white gravel black sand				
4					black/brown silty sand red clay, some black shale				
6					black sand tan sandy water				
8					some clay gray clay				
								PAGE NO.	HOLE NO.

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

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## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

PAGE NO. | HOLE NO.

GEOLOGIC DRILL LOG		Ingersoll					
START 3/6/07	FINISH 0900	DRILLER geoprobe	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 108 12	
LOGGER Rach	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOCUS X	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION	NOTES
14-145-070007 (Q-6)										X - Black top soil, some sand & gravel X - gravel X - gray, black fill X - gray clay X - red bricks, oxidized clay X - reddish brown fill, some gravel X - brown sandy fill, some clay X - tan sand X - black / brown clay, some pink & clays 500m sandstone gray clay	

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OI = OTHER

PAGE NO.      RULE NO.

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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION Tageosol			PAGE NO.	HOLE NO.
START 3/6/07	FINISH 0930	DRILLER	DRILL METHOD Sloprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'	
LOGGER Rawh	TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWST	ELEU	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2									- brown silt, wet w/PL show melt	
4									- black / brown sandy clay fill	
6									- some brick fragm & sand gravel	
8									- gray silt /	
10									- brown clay fill, some gravel	
12									- gray silt /	
									- brown sandy water, sheen	oily
									- black sandy clay	
									- gray - silty	
									- light brown sandy clay	
									- some oil staining	oily
									- brown clay	

\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE    CS = CONTINUOUS SAMPLER  
 D = DENNISON      CT = CUTTINGS    OT = OTHER

PAGE NO.   HOLE NO.



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION				PAGE NO.	HOLE NO.	
START 3/6/07	FINISH 1050	DRILLER	DRILL METHOD 600 psi	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 121				
LOGGER RNL	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO.  B-147-03627(1-E)	SAMPLE TYPE RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION		NOTES
								brown clay and gravel, some oxidized metal fragments grey gravel fill brown/acid grately yellow black shiny silty/clay brown sand black silty clay brown solid, water		
2										
4										
6										
8								brown (1m)		
10								gray (1m)		
12										

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 SS = SPLIT SPOON    C = CORE    CS = CONTINUOUS SAMPLER  
 D = DENNISON    CT = CUTTINGS    OT = OTHER

PAGE NO.    HOLE NO.

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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION <i>Ihsanson</i>				PAGE NO.	HOLE NO.		
START 3/6/07	FINISH 1030	DRILLER	DRILL METHOD <i>geoprobe</i>	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 10'				
LOGGER <i>Ruth</i>	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2									- white gravel	
3									- some water	
4									- brown silty fill, gravel	
5									- black gravel, silt fill, water possibly oil/bio-odor	
6									- white gravel /	
7									- brown/tan mottled clay /	
8									- black colored fill, rocks	
9									- brown silty	
10									- red silty clay, boulders	
11									- black silty, water	
12									- greenish brown sand, water, clay	
6-148-030607(2-6)									PAGE NO.	HOLE NO.
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER										

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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION Ingersoll				PAGE NO.	HOLE NO.
START 3/6/07	FINISH 1155	DRILLER	DRILL METHOD geopulse	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8		
LOGGER Rauls	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
6-150-030607 (1-5)									- Asphalt + gray gravel	
									- black fill, some sand, rocks	
									- gravel, gray	
									- black with sand	w.w.
									- black clay, some brown clay	
									brown clay	
									brown sand, white	
									brown clay	

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.	
START 3/6/07	FINISH PC25	DRILLER Raul	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 121		
LOGGER Raul	TOP OF CASTING ELEV.		GROUND/ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				
SAMPLE NO. 6-151-030607 C-85	SAMPLE TYPE RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	DESCRIPTION	NOTES
							- concrete fl	
							- brown sand	
							- gray sand, limestone	
							- dark brown silty	
							- black oily sandy silt	oily
							- some tan silty	
							- gray and black clay	
							- some tan silty	
							- red silty fill, cinders	
							- brick fragments	
							- black and tan silty, HCS	
							- dark brown clay	
							gray clay	

\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE    CS = CONTINUOUS SAMPLER  
 D = DENNISON      CT = CUTTINGS    OT = OTHER

PAGE NO.    HOLE NO.



B-152

GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.		
START 3/6/07	FINISH 1310	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'			
LOGGER Rach	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
								- concrete	
								- red fill, tan sand	
								- red clay, tan sand	
								- black sandy silt, some gray sand	city
								- tan sand, some red and black clay	
								- gray silty sand	
								- black silty clay	
								- red silty clay	
								- black/tan sand	
								- tan sand, water	
								- gray sand	
								- gray sand, sheen	
									sheen in SW
B-152 A-C 030607 (1-8) 030607 (10-11)								PAGE NO.	HOLE NO.
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER									

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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.			
START 3/6/07	FINISH 1350	DRILLER Ingersoll		DRILL METHOD geopulse	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'			
LOGGER Lark		TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO.	SAMPLE TYPE	"	RECOVERY %	SAMPLE ELEVATION *	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1									- Asphalt	
2									silt, gray / gravel cylinders	
3									black clayey sand, some yellow rock fragments	city
4									dark gray sand	
5									tan sand	
6									water	
7									gray brown silty sand	
8									brown silty clay	
9									brown clay	
10									gray clay	
11										
12										

\*ASTM D1586    ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE    CS = CONTINUOUS SAMPLER  
 D = DENNISON    CT = CUTTINGS    OT = OTHER

PAGE NO.    HOLE NO.

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\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.

B155



PROJECT NAME AND LOCATION				PAGE NO.	HOLE NO.
GEOLOGIC DRILL LOG			Dyer sol		
START 3/6/07	FINISH 16' 00	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER
LOGGER Raw L	TOP OF CASTING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED	TOTAL DEPTH 12'

SAMPLE NO.	SAMPLE TYPE	"	RECOVERY "	SAMPLE BLOWS X	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1										- gravel	
2										- brown silty sand	
3										- black silty sand, some cinder, S	
4										- dark gray clay	
5										- black sand	
6										- dark gray sand, water	
7										- tan sand, water	
8										- brown sand	
9										- gray clay	
10											
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PROJECT NAME AND LOCATION B-156 A-Q3C0107(12-8) B-156 B-Q3C0107(12-8)							PAGE NO.	HOLE NO.		
GEOLOGIC DRILL LOG			Drill Method Core pick				BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 16'	
START 16/07	FINISH 1530	DRILLER		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
LOGGER Karl		TOP OF CASING ELEV.								
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2									- gray /	
4									- i. h. brown to sec of	
6									black sand, some circles	
8									dark gray clay	
10									dark gray sand, water, oil	city
12									brown sand, water	
									dark gray silty sand	
									Some Sheen	
									gray clay	
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER									PAGE NO.	HOLE NO.

# WESTON

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## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

PAGE NO.      HOLE NO.

GEOLOGIC DRILL LOG		Ingersoll				
START 3/6/07	FINISH 1600'	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8'
LOGGER Rocky	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEC.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION	NOTES
										gravel, gravel	
							X	cinders, fill, block only			0.1M
							X	purple fill, sand			
							X	pink fill, sandy, some gravel			
							X	black silty clay			0.1M
							X	black silty clay, water, oil			
							X	some bricks			
							X	dark tan sand, water			
							X	dark sand			
							X	gray clay			

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OI = OTHER

PAGE NO. | RULE NO.



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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.
START 8/1/07	FINISH 0900	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 81	
LOGGER RanL	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
S-158-080707(1-7)						PAGE NO.	HOLE NO.
*ASTM D1586 ST = SNEEBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER							



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.			
START 3/1/07	FINISH 0200	DRILLER		DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'			
LOGGER Raul	TOP OF CASING ELEV.			GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO.	SAMPLE TYPE	RECOVERY *	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
4									asphalt / gravel	
5									brown sand, possible oil	oil
6									black sand, clay, oil	
7									brown sand	
8									tan sand	
9									brown sand, water	
10									brown clay	
11									gray clay	
*ASTM D1586      ST = SHELBY TUBE SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER D = DENNISON       CT = CUTTINGS    OT = OTHER								PAGE NO.	HOLE NO.	



B160

GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION			PAGE NO.	HOLE NO.	
START 3/7/07	FINISH 1030	DRILLER		DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8'		
LOGGER Rarl		TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				
SAMPLE NO.	SAMPLE TYPE RECOVERY "	SAMPLE BLOWN	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2								concrete	
4								white sand, some silt	
6								yellow sand, some slack clay	
8								black sand	
10								tan sand, w/ fl	
12								gray sand, w/ fl	
B-160-030707 (2-4) *ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER								PAGE NO.	HOLE NO.

B-161



GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION Ithaca Soil		PAGE NO.	HOLE NO.
START 3/7/07	FINISH 1130	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 121
LOGGER Rash		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEU	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
B-161-030707(224)										
8008									- gravel X black sand, some silt IC fragments X gold sand, mostly gray sand, water, some oxidations brown soil, water gray sand, water gray clay	

\*ASTM D1586  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.



B162

GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.				
START 3/16/01	FINISH 1215	DRILLER	DRILL METHOD Geopwheel	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8					
LOGGER Raul		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED							
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES	
2	.	.	.	.	.	.	.	.	concrete		
4	.	.	.	.	.	.	.	X	black sandy fill, some rock fragments + s		
6	.	.	.	.	.	.	.	X	brown/dark brown sand, water		
8	.	.	.	.	.	.	.		dark brown clay		
10	.	.	.	.	.	.	.				
12	.	.	.	.	.	.	.				
B-162-030707(2-6) 50 % *ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER										PAGE NO.	HOLE NO.

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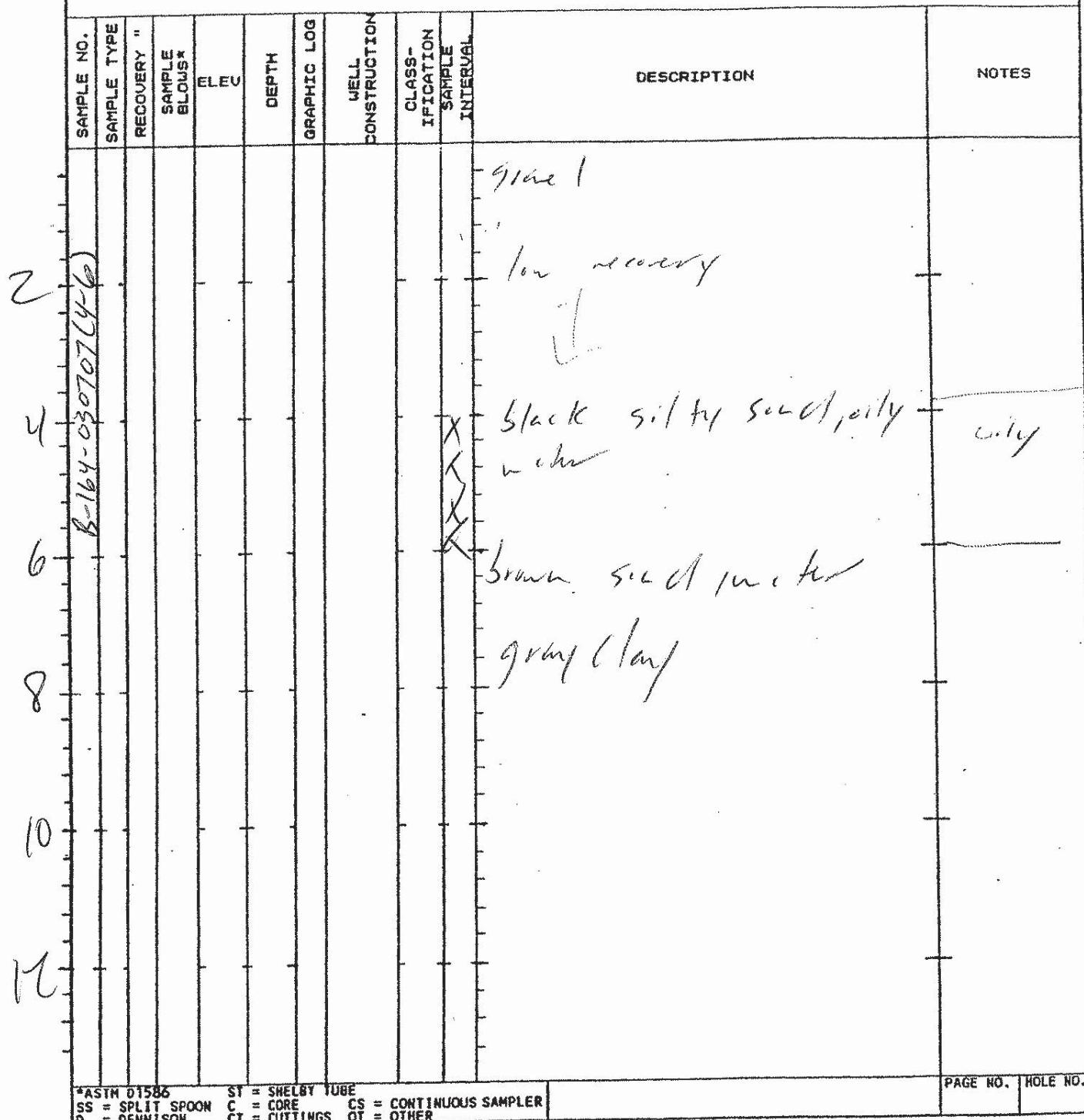
\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.

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<b>GEOLOGIC DRILL LOG</b>			PROJECT NAME AND LOCATION <i>Theysell</i>			PAGE NO.	HOLE NO.
START 3/1/07	FINISH BCU	DRILLER	DRILL METHOD <i>geoprobe</i>	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8	
LOGGER <i>RwL</i>	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			



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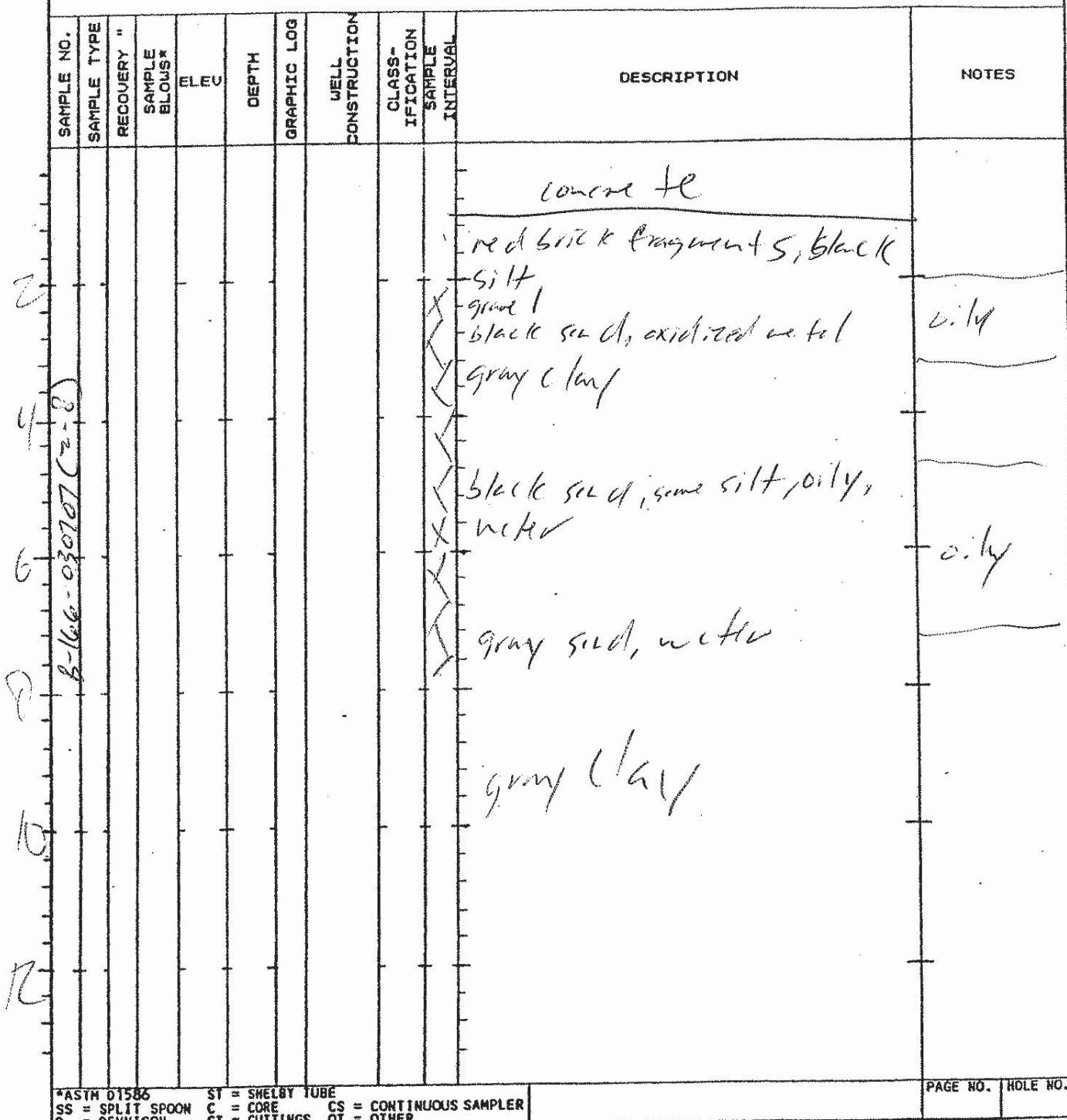
\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.

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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION Ingersoll			PAGE NO.	HOLE NO.
START 3/7/07	FINISH 1530	DRILLER "	DRILL METHOD Auger	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12	
LOGGER Ran L	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			



\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER  
 D = DENNISON       CT = CUTTINGS    OT = OTHER

PAGE NO. HOLE NO.

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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.
START 3/16/07	FINISH 600	DRILLER	DTTEL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 3	
LOGGER RinL	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION	NOTES
2										concrete fl	
3										gravel	
4										fl. silt &	
5										gray clay	
6										refused, concrete fl	
7											
8											
9											
10											
11											
12											
B-167-030707(0-3)											

\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER  
 D = DENNISON       CT = CUTTINGS    OT = OTHER

PAGE NO. HOLE NO.

**WESTON**

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## GEOLOGIC DRILL LOG

PROJECT NAME AND LOCATION  
*Fleerso* //

PAGE NO.	HOLE NO.
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START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/18/07	0830		geoprobe			12'
LOGGER Randy		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION	SAMPLE INTERVAL	DESCRIPTION	NOTES
B-168-030807 (1-6)										concrete	
										black sand, some silt, oily	oily
										red brick fragments	
										tan sand, some black sand	
										black sand	
										brown sand, water	
										tan sand, water	
										brown sand, water	
										dark brown sand	
										gray clay	

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.



B-169

PROJECT NAME AND LOCATION JESCO SOLI						PAGE NO.	HOLE NO.			
GEOLOGIC DRILL LOG			DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 81			
START 3/8/07	FINISH 0930	DRILLER		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
LOGGER Rough		TOP OF CASING ELEV.								
SAMPLE NO.	SAMPLE TYPE	RECOVERY %	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1									concrete to	
2									black cinders / fill sand brick fragments	
3									red sand, water, oxidized.	
4										
5										
6								X	black gravel, oil, water	oily product
7								X		
8								X		
9										
10										
11										
12										
*ASTM D1586 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER								PAGE NO.	HOLE NO.	



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION				PAGE NO.	HOLE NO.	
START 3/8/07	FINISH 10/15	DRILLER	DRILL METHOD geoprobe		BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12			
LOGGER Rush	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
1									concrete	
2									black sand/cinders, small amount of oil	oily
4									brown sand gray clay black sand	
6									brownish red oxidized sand, water	oily
8									dark brown sand, water	
10									tan sand, water	
12									dark brown sand	
									gray clay	
*ASTM D1586 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER								PAGE NO.	HOLE NO.	



B171

GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION				PAGE NO.	HOLE NO.	
START 3/8/07	FINISH 110	DRILLER	DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12				
LOGGER Rock		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO.	SAMPLE TYPE	RECOVERY *	SAMPLE BLOWS*	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2									concrete sl	
4									black sand, oily, some bricks	oily contaminant
6									brick fragm & black sand	
8									brown silty sand	
10									dark brown sand, w/ oil HC staining, gray	
12									gray gravel	
									black sand, w/ oil	
									brown sand watered	
									gray clay	
*ASTM D1586 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER								PAGE NO.	HOLE NO.	



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.		
START 3/8/07	FINISH 1200	DRILLER	DRILL METHOD Geoprobe		BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12		
LOGGER Reh	TOP OF CASTING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO. B-172-070807(2-8)	SAMPLE TYPE =	RECOVERY % SAMPLE BLOWS*	ELEU	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2								yellow & brown sand, some black cinder, s	possibly oil staining
4								lime stone gravel	
6								red silty sand, some black	
8								Some small gravel	
10								black / tan sand, water	
12								yellow sand, water	
								brown sand, saturated w/H <sub>2</sub> O	
								gray, brown, black mottled	
								silty sand	
								brown sand, water	
								gray clay	

\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER  
 D = DENNISON       CT = CUTTINGS    OT = OTHER

PAGE NO.      HOLE NO.

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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION				PAGE NO.	HOLE NO.	
START 3/8/07	FINISH 1520	DRILLER	DRILL METHOD Propose		BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 8			
LOGGER Rock		TOP OF CASTING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED						
SAMPLE NO. B-173-030807(25)	SAMPLE TYPE RECOVERY "	SAMPLE BLOCKS X	ELEVU	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION		NOTES
								gravel, fill, rocks		
2								X-black circles, possibly X-HC staining, silty		<u>possibly HC shls</u>
4								X-sandy clay, black, circles		
6								reddish brown sandy chy		
8								sandy clay		
*ASTM D1585 ST = SHELBY TUBE SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER D = DENNISON CT = CUTTINGS OT = OTHER								PAGE NO.	HOLE NO.	



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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION				PAGE NO.	HOLE NO.	
START 3/8/07	FINISH 1420	DRILLER		DRILL METHOD geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 6'			
LOGGER Rush		TOP of CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED					
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
6-174-030807(Q-6)									X-black gravel, cinders, some rocks and sand and clay	oily no Free product
2									X-gray gravel	
4									X-black cinders, sand, sand	
6									X-HC Odor	
8									X-refuse	
10										
12										
*ASTM D1586      ST = SHELBY TUBE SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER D = DENNISON       CT = CUTTINGS    OT = OTHER								PAGE NO.	HOLE NO.	

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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION		PAGE NO.	HOLE NO.
START 3/8/07	FINISH 148	DRILLER Rock	DRILL METHOD Geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 121	
LOGGER	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			
SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS	ELEV	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION
							CLASSIFICATION SAMPLE INTERVAL
							DESCRIPTION
							NOTES
2							-Asphlt
3							white limestone gravel
4							reddish silt or sand, some shale
5							cinders
6							black cinders
7							red sand, oxidized, some gray. (lai)
8							black sand, HC stain, odor
9							brown sand, HC odor
10							yellow sand, water
11							brown sand, water
12							brown/black sand, water
13							gray clay

\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

# WESTON

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## GEOLOGIC DRILL LOG

**PROJECT NAME AND LOCATION**

NAME AND LOCATION  
Ingersoll U.

PAGE NO.	HOLE NO.
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GEOLOGIC DRILL LOG		PROJECT NAME AND LOCATION	PAGE NO.	HOLE NO.		
START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH
3/8/07	1545		geoprobe			R
LOGGER Ran	TOP OF CASTING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED		

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BELOW*	ELEV.	DEPTH	GRAPHIC LOG	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
B-176-030807(2-4)		"							
								concrete fl.	
								gravel	
		X						black cinders, fill, sand	
		X						Clay and brick fragments	
		X						brown/black sand	
		X						red bricks	
								brown sand and gravel	
								gray sand, water	
								brown silty clay	
								brown clay	
								gray clay	

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.

# WESTON

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## GEOLOGIC DRILL LOG

PROJECT NAME AND LOCATION

PAGE NO.      HOLE NO.

GEOLOGIC DRILL LOG		Inverso II					
START	FINISH	DRILLER	DRILL METHOD	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH	
3/9/07	0700		geopulse			8'	
LOGGER		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			
Raul							

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEC.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
B-177-0309-07(2-5)									- gray gravel	
									- brown sand	
							X	black sand, some brick		
							X	fragments, some gravel, some		
							X	gray clay		
							X	black then silty sand, some		
							X	gray clay		
								brown sand, wetter		
								dark brown sand, wetter		
								tan sand, wetter		

\*ASTM D1586 ST = SHELBY TUBE  
SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO.      HOLE NO.

# WESTON

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GEOLOGIC DRILL LOG				PROJECT NAME AND LOCATION Thorsell			PAGE NO.	HOLE NO.
START 3/19/07	FINISH 0745	DRILLER	DRILL METHOD Geoprobe	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 12'		
LOGGER Kathy		TOP OF CASING ELEV.	GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED				

SAMPLE NO.	SAMPLE TYPE	RECOVERY "	SAMPLE BLOWS*	ELEV.	DEPTH	GRAPHIC LOG	WELL CONSTRUCTION	CLASSIFICATION SAMPLE INTERVAL	DESCRIPTION	NOTES
2									-black sand, some sand, rocks, gray gravel	
3									-black sand, some rocks and brick fragments	
4									X white sand	
5									X black sand	
6									X pink rocks	
7									X dark sand, sand.	
8									X black sand, possible HC	possibly HC streak
9									burnt sandstone	
10									dark brown sand	
11									yellow sand, mud	
12									burnt clay	
<i>B-178-030907(3~6)</i>										

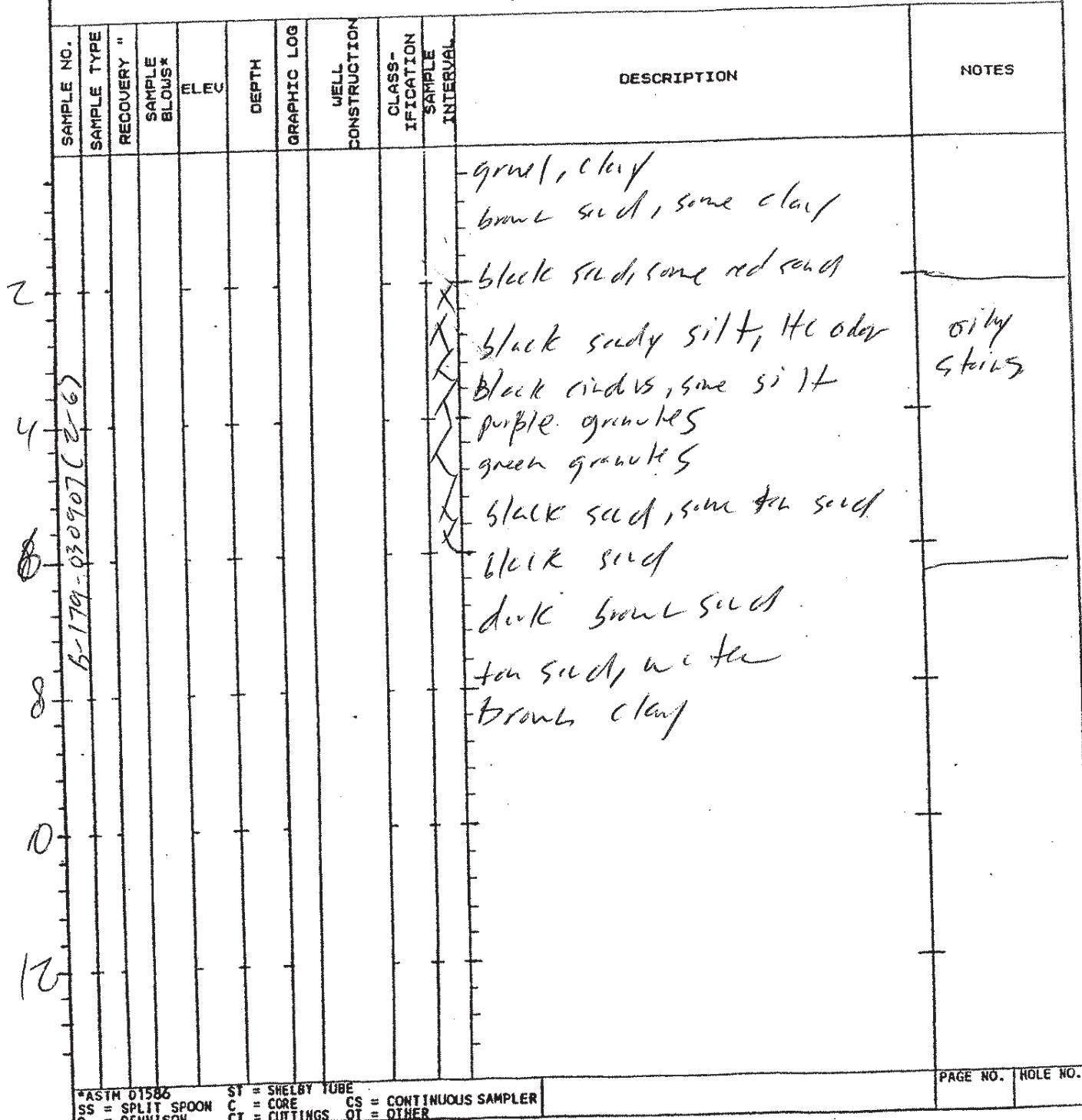
\*ASTM D1586 ST = SHELBY TUBE  
 SS = SPLIT SPOON C = CORE CS = CONTINUOUS SAMPLER  
 D = DENNISON CT = CUTTINGS OT = OTHER

PAGE NO. HOLE NO.



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GEOLOGIC DRILL LOG			PROJECT NAME AND LOCATION Inger Soil			PAGE NO.	HOLE NO.
START 3/9/07	FINISH 08415	DRILLER	DRILL METHOD Geopulse	BOREHOLE DIAMETER	WELL DIAMETER	TOTAL DEPTH 81	
LOGGER Ran L	TOP OF CASING ELEV.		GROUND ELEVATION	DEPTH/ELEVATION GROUNDWATER - DATE MEASURED			



\*ASTM D1586      ST = SHELBY TUBE  
 SS = SPLIT SPOON    C = CORE      CS = CONTINUOUS SAMPLER  
 D = DENNISON      CT = CUTTINGS    OT = OTHER

**ATTACHMENT E**  
**ANALYTICAL RESULTS**



March 06, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0702811

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 7 samples on 2/27/2007 4:50:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

  
Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Tuesday, March 06, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0702811

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0702811-01A	B-100-022707 (2-3)		2/27/2007 8:00:00 AM	2/27/2007
ME0702811-02A	B-101-022707 (3-5-4)		2/27/2007 10:00:00 AM	2/27/2007
ME0702811-03A	B-102-022707 (4-6)		2/27/2007 10:30:00 AM	2/27/2007
ME0702811-04A	B-102-022707 (4-6) DU		2/27/2007 10:30:00 AM	2/27/2007
ME0702811-05A	B-103-022707 (1-2)		2/27/2007 11:00:00 AM	2/27/2007
ME0702811-06A	B-105-022707 (1-6)		2/27/2007 1:00:00 PM	2/27/2007
ME0702811-07A	B-106-022707 (2-8)		2/27/2007 2:00:00 PM	2/27/2007



## ANALYTICAL RESULTS

Date: Tuesday, March 06, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-100-022707 (2-3)  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702811-01  
**Collection Date:** 02/27/07 08:00  
**Date Received:** 02/27/07 16:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/01/07 08:33 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Total PCB's	A	ND	0.033		mg/Kg	1	03/01/07 18:39
Surr: Tetrachloro-m-xylene	S	95.1	5-165		%REC	1	03/01/07 18:39
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/01/07 18:39

TOTAL METALS	Method: SW6010B			Prep Date/Time: 02/28/07 13:40 Analyst: SA			
Arsenic	A	31	0.45		mg/Kg	1	03/01/07 19:29
Barium	A	38	0.089		mg/Kg	1	03/02/07 16:17
Cadmium	A	76	0.089		mg/Kg	1	03/01/07 19:29
Chromium	A	260	0.13		mg/Kg	1	03/02/07 16:17
Lead	A	400	0.33		mg/Kg	1	03/01/07 19:29
Selenium	A	ND	1.3		mg/Kg	1	03/01/07 19:29
Silver	A	1.9	0.45		mg/Kg	1	03/01/07 19:29

TOTAL METALS	Method: SW7471A			Prep Date/Time: 02/28/07 13:45 Analyst: SA			
Mercury	A	ND	0.037		mg/Kg	1	03/01/07 11:37



## ANALYTICAL RESULTS

Date: Tuesday, March 06, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-101-022707 (3-5-4)  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702811-02  
**Collection Date:** 02/27/07 10:00  
**Date Received:** 02/27/07 16:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/01/07 08:33 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Total PCB's	A	ND	0.033		mg/Kg	1	03/01/07 19:11
Surr: Tetrachloro-m-xylene	S	60.1	5-165		%REC	1	03/01/07 19:11
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/01/07 19:11

TOTAL METALS	Method: SW6010B			Prep Date/Time: 02/28/07 13:40 Analyst: SA			
Arsenic	A	5.5	0.53		mg/Kg	1	03/01/07 19:34
Barium	A	61	0.11		mg/Kg	1	03/02/07 16:23
Cadmium	A	ND	0.11		mg/Kg	1	03/01/07 19:34
Chromium	A	19	0.16		mg/Kg	1	03/02/07 16:23
Lead	A	35	0.40		mg/Kg	1	03/01/07 19:34
Selenium	A	ND	1.6		mg/Kg	1	03/01/07 19:34
Silver	A	ND	0.53		mg/Kg	1	03/01/07 19:34

TOTAL METALS	Method: SW7471A			Prep Date/Time: 02/28/07 13:45 Analyst: SA			
Mercury	A	ND	0.037		mg/Kg	1	03/01/07 11:39



## ANALYTICAL RESULTS

Date: Tuesday, March 06, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-102-022707 (4-6)						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/01/07 08:33 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Total PCB's	A	ND	0.033		mg/Kg	1	03/01/07 19:44
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/01/07 19:44	
Surr: Decachlorobiphenyl	S	90.1	5-222	%REC	1	03/01/07 19:44	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 02/28/07 13:40 Analyst: SA			
Arsenic	A	5.3	0.42		mg/Kg	1	03/02/07 16:28
Barium	A	44	0.085		mg/Kg	1	03/02/07 16:28
Cadmium	A	0.15	0.085		mg/Kg	1	03/02/07 16:28
Chromium	A	13	0.13		mg/Kg	1	03/02/07 16:28
Lead	A	7.7	0.32		mg/Kg	1	03/05/07 15:11
Selenium	A	ND	1.3		mg/Kg	1	03/02/07 16:28
Silver	A	ND	0.42		mg/Kg	1	03/02/07 16:28

TOTAL METALS	Method: SW7471A			Prep Date/Time: 02/28/07 13:45 Analyst: SA			
Mercury	A	ND	0.043		mg/Kg	1	03/01/07 11:40



## ANALYTICAL RESULTS

Date: Tuesday, March 06, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-102-022707 (4-6) DUP  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702811-04  
**Collection Date:** 02/27/07 10:30  
**Date Received:** 02/27/07 16:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/01/07 08:33 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Total PCB's	A	ND	0.033		mg/Kg	1	03/01/07 20:17
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/01/07 20:17
Surr: Decachlorobiphenyl	S	90.1	5-222		%REC	1	03/01/07 20:17

TOTAL METALS	Method: SW6010B			Prep Date/Time: 02/28/07 13:40 Analyst: SA			
Arsenic	A	4.4	0.50		mg/Kg	1	03/01/07 19:45
Barium	A	38	0.10		mg/Kg	1	03/02/07 16:34
Cadmium	A	ND	0.10		mg/Kg	1	03/01/07 19:45
Chromium	A	11	0.15		mg/Kg	1	03/02/07 16:34
Lead	A	8.6	0.38		mg/Kg	1	03/01/07 19:45
Selenium	A	ND	1.5		mg/Kg	1	03/01/07 19:45
Silver	A	ND	0.50		mg/Kg	1	03/01/07 19:45

TOTAL METALS	Method: SW7471A			Prep Date/Time: 02/28/07 13:45 Analyst: SA			
Mercury	A	ND	0.037		mg/Kg	1	03/01/07 11:41



## ANALYTICAL RESULTS

Date: Tuesday, March 06, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-103-022707 (1-2)  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702811-05  
**Collection Date:** 02/27/07 11:00  
**Date Received:** 02/27/07 16:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/01/07 08:33 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Total PCB's	A	ND	0.033		mg/Kg	1	03/01/07 20:50
Surr: Tetrachloro-m-xylene	S	90.1	5-165		%REC	1	03/01/07 20:50
Surr: Decachlorobiphenyl	S	90.1	5-222		%REC	1	03/01/07 20:50

TOTAL METALS	Method: SW6010B			Prep Date/Time: 02/28/07 13:40 Analyst: SA			
Arsenic	A	7.8	0.43		mg/Kg	1	03/01/07 20:07
Barium	A	140	0.087		mg/Kg	1	03/02/07 16:50
Cadmium	A	1.6	0.087		mg/Kg	1	03/01/07 20:07
Chromium	A	19	0.13		mg/Kg	1	03/02/07 16:50
Lead	A	110	0.33		mg/Kg	1	03/01/07 20:07
Selenium	A	ND	1.3		mg/Kg	1	03/01/07 20:07
Silver	A	ND	0.43		mg/Kg	1	03/01/07 20:07

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	0.095	0.042		mg/Kg	1	03/02/07 10:49



## ANALYTICAL RESULTS

Date: Tuesday, March 06, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-105-022707 (1-6)  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702811-06  
**Collection Date:** 02/27/07 13:00  
**Date Received:** 02/27/07 16:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/01/07 08:33 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Total PCB's	A	ND	0.033		mg/Kg	1	03/01/07 21:23
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/01/07 21:23	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/01/07 21:23	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 02/28/07 13:40 Analyst: SA			
Arsenic	A	1.3	0.49		mg/Kg	1	03/01/07 20:12
Barium	A	13	0.097		mg/Kg	1	03/02/07 16:55
Cadmium	A	ND	0.097		mg/Kg	1	03/01/07 20:12
Chromium	A	4.3	0.15		mg/Kg	1	03/02/07 16:55
Lead	A	3.8	0.36		mg/Kg	1	03/01/07 20:12
Selenium	A	ND	1.5		mg/Kg	1	03/01/07 20:12
Silver	A	ND	0.49		mg/Kg	1	03/01/07 20:12

TOTAL METALS	Method: SW7471A			Prep Date/Time: 02/28/07 13:45 Analyst: SA			
Mercury	A	ND	0.043		mg/Kg	1	03/01/07 11:47



## ANALYTICAL RESULTS

Date: Tuesday, March 06, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-106-022707 (2-8)  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702811-07  
**Collection Date:** 02/27/07 14:00  
**Date Received:** 02/27/07 16:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/01/07 08:33 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Total PCB's	A	ND	0.033		mg/Kg	1	03/01/07 21:56
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/01/07 21:56
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/01/07 21:56

TOTAL METALS	Method: SW6010B			Prep Date/Time: 02/28/07 13:40 Analyst: SA			
Arsenic	A	8.0	0.46		mg/Kg	1	03/01/07 20:17
Barium	A	130	0.093		mg/Kg	1	03/02/07 17:22
Cadmium	A	4.9	0.093		mg/Kg	1	03/01/07 20:17
Chromium	A	32	0.14		mg/Kg	1	03/02/07 17:22
Lead	A	87	0.35		mg/Kg	1	03/01/07 20:17
Selenium	A	ND	1.4		mg/Kg	1	03/01/07 20:17
Silver	A	ND	0.46		mg/Kg	1	03/01/07 20:17

TOTAL METALS	Method: SW7471A			Prep Date/Time: 02/28/07 13:45 Analyst: SA			
Mercury	A	ND	0.040		mg/Kg	1	03/01/07 11:51



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

Date: Tuesday, March 06, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0702811**

Checklist completed by SM | 2/27/2007 5:19:56 PM

Date / Time Received: **2/27/2007 4:50:00 PM**

Received by: SM

Reviewed by RM | 2/28/2007 3:25:17 PM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No

Not Present

Custody seals intact on shipping container/cooler?

Yes

No

Not Present

Custody seals intact on sample bottles?

Yes

No

Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 2 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments: The Sample for 102 Dup was labeled wrong. The lid says 101 Dup.

Sample ID	Client Sample ID	Comments
ME0702811-01A	B-100-022707 (2-3)	
ME0702811-02A	B-101-022707 (3-5-4)	
ME0702811-03A	B-102-022707 (4-6)	
ME0702811-04A	B-102-022707 (4-6) DUP	
ME0702811-05A	B-103-022707 (1-2)	
ME0702811-06A	B-105-022707 (1-6)	
ME0702811-07A	B-106-022707 (2-8)	



1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

# **Environmental Quality Management, Inc.**

## **Chain of Custody Record**

COC Tracking: EQ-10182

**ME0702811** EQM - CINCINNATTI  
Ingersoll / Chicago, IL  
Aaron Roski

3/6/200

RM Page | 12 of 12



March 07, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0702875

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 8 samples on 2/28/2007 5:45:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Ronald J. Misiunas".

Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Wednesday, March 07, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0702875

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0702875-01A	B-108-022707 (2-4')		2/27/2007 4:15:00 PM	2/28/2007
ME0702875-02A	B-109-022807 (0-0.5')		2/28/2007 7:30:00 AM	2/28/2007
ME0702875-03A	B-110-022807 (5-6')		2/28/2007 8:30:00 AM	2/28/2007
ME0702875-04A	B-111-022807 (5-6')		2/28/2007 10:00:00 AM	2/28/2007
ME0702875-05A	B-112-022807 (4-6')		2/28/2007 10:45:00 AM	2/28/2007
ME0702875-06A	B-113-022807 (1-5')		2/28/2007 11:30:00 AM	2/28/2007
ME0702875-07A	B-115-022807 (4-6')		2/28/2007 1:30:00 PM	2/28/2007
ME0702875-08A	B-116-022807 (4-6')		2/28/2007 2:30:00 PM	2/28/2007



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-108-022707 (2-4')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 04:16
Surr: Tetrachloro-m-xylene	S	75.1	5-165	%REC	1	03/06/07 04:16	
Surr: Decachlorobiphenyl	S	85.1	5-222	%REC	1	03/06/07 04:16	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	5.5	0.50		mg/Kg	1	03/05/07 15:33
Barium	A	130	0.10		mg/Kg	1	03/02/07 17:43
Cadmium	A	2.9	0.10		mg/Kg	1	03/02/07 17:43
Chromium	A	29	0.15		mg/Kg	1	03/02/07 17:43
Lead	A	400	0.38		mg/Kg	1	03/02/07 17:43
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 17:43
Silver	A	ND	0.50		mg/Kg	1	03/02/07 17:43

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	0.29	0.040		mg/Kg	1	03/02/07 10:30



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-109-022807 (0-0.5')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702875-02  
**Collection Date:** 02/28/07 07:30  
**Date Received:** 02/28/07 17:45

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 04:49
Surr: Tetrachloro-m-xylene	S	70.1	5-165		%REC	1	03/06/07 04:49
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/06/07 04:49

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	1.9	0.42		mg/Kg	1	03/05/07 15:38
Barium	A	24	0.085		mg/Kg	1	03/02/07 17:49
Cadmium	A	2.9	0.085		mg/Kg	1	03/02/07 17:49
Chromium	A	36	0.13		mg/Kg	1	03/02/07 17:49
Lead	A	8.6	0.32		mg/Kg	1	03/02/07 17:49
Selenium	A	ND	1.3		mg/Kg	1	03/02/07 17:49
Silver	A	ND	0.42		mg/Kg	1	03/02/07 17:49

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	ND	0.042		mg/Kg	1	03/02/07 10:32



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-110-022807 (5-6')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	17		mg/Kg	500	03/06/07 22:54
Aroclor 1221	A	ND	17		mg/Kg	500	03/06/07 22:54
Aroclor 1232	A	ND	17		mg/Kg	500	03/06/07 22:54
Aroclor 1242	A	ND	17		mg/Kg	500	03/06/07 22:54
Aroclor 1248	A	ND	17		mg/Kg	500	03/06/07 22:54
Aroclor 1254	A	190	17		mg/Kg	500	03/06/07 22:54
Aroclor 1260	A	ND	17		mg/Kg	500	03/06/07 22:54
Aroclor 1262	A	ND	17		mg/Kg	500	03/06/07 22:54
Aroclor 1268	A	ND	17		mg/Kg	500	03/06/07 22:54
Total PCB's	A	190	17		mg/Kg	500	03/06/07 22:54
Surr: Tetrachloro-m-xylene	S	0	5-165	SD	%REC	500	03/06/07 22:54
Surr: Decachlorobiphenyl	S	0	5-222	SD	%REC	500	03/06/07 22:54

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	2.9	0.45		mg/Kg	1	03/05/07 15:44
Barium	A	19	0.090		mg/Kg	1	03/02/07 17:54
Cadmium	A	0.94	0.090		mg/Kg	1	03/02/07 17:54
Chromium	A	7.8	0.14		mg/Kg	1	03/02/07 17:54
Lead	A	210	0.34		mg/Kg	1	03/02/07 17:54
Selenium	A	ND	1.4		mg/Kg	1	03/02/07 17:54
Silver	A	ND	0.45		mg/Kg	1	03/02/07 17:54

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	ND	0.041		mg/Kg	1	03/02/07 10:33



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-111-022807 (5-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702875-04  
**Collection Date:** 02/28/07 10:00  
**Date Received:** 02/28/07 17:45

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1254	A	0.16	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 14:11
Total PCB's	A	0.16	0.033		mg/Kg	1	03/06/07 14:11
Surr: Tetrachloro-m-xylene	S	50.1	5-165	%REC	1	03/06/07 14:11	
Surr: Decachlorobiphenyl	S	70.1	5-222	%REC	1	03/06/07 14:11	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	5.5	0.48		mg/Kg	1	03/05/07 15:49
Barium	A	110	0.096		mg/Kg	1	03/02/07 17:59
Cadmium	A	0.32	0.096		mg/Kg	1	03/02/07 17:59
Chromium	A	13	0.14		mg/Kg	1	03/02/07 17:59
Lead	A	31	0.36		mg/Kg	1	03/02/07 17:59
Selenium	A	ND	1.4		mg/Kg	1	03/02/07 17:59
Silver	A	ND	0.48		mg/Kg	1	03/02/07 17:59

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	ND	0.042		mg/Kg	1	03/02/07 10:35



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-112-027807 (4-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702875-05  
**Collection Date:** 02/28/07 10:45  
**Date Received:** 02/28/07 17:45

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 06:27
Surr: Tetrachloro-m-xylene	S	80.1	5-165		%REC	1	03/06/07 06:27
Surr: Decachlorobiphenyl	S	65.1	5-222		%REC	1	03/06/07 06:27

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	ND	0.50		mg/Kg	1	03/05/07 15:55
Barium	A	5.5	0.10		mg/Kg	1	03/02/07 18:05
Cadmium	A	ND	0.10		mg/Kg	1	03/02/07 18:05
Chromium	A	1.5	0.15		mg/Kg	1	03/06/07 11:27
Lead	A	1.6	0.38		mg/Kg	1	03/05/07 15:55
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 18:05
Silver	A	ND	0.50		mg/Kg	1	03/02/07 18:05

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	ND	0.035		mg/Kg	1	03/02/07 10:36



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-113-022807 (1-5')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 07:00
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/06/07 07:00	
Surr: Decachlorobiphenyl	S	60.1	5-222	%REC	1	03/06/07 07:00	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	4.3	0.49		mg/Kg	1	03/05/07 16:00
Barium	A	40	0.097		mg/Kg	1	03/02/07 18:10
Cadmium	A	0.40	0.097		mg/Kg	1	03/02/07 18:10
Chromium	A	10	0.15		mg/Kg	1	03/02/07 18:10
Lead	A	180	0.36		mg/Kg	1	03/02/07 18:10
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 18:10
Silver	A	ND	0.49		mg/Kg	1	03/02/07 18:10

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	ND	0.036		mg/Kg	1	03/02/07 10:40



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-115-022807 (4-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702875-07  
**Collection Date:** 02/28/07 13:30  
**Date Received:** 02/28/07 17:45

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 07:32
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/06/07 07:32
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/06/07 07:32

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	5.0	0.43		mg/Kg	1	03/05/07 16:27
Barium	A	19	0.087		mg/Kg	1	03/02/07 18:37
Cadmium	A	0.57	0.087		mg/Kg	1	03/02/07 18:37
Chromium	A	9.2	0.13		mg/Kg	1	03/02/07 18:37
Lead	A	16	0.33		mg/Kg	1	03/02/07 18:37
Selenium	A	ND	1.3		mg/Kg	1	03/02/07 18:37
Silver	A	ND	0.43		mg/Kg	1	03/02/07 18:37

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	ND	0.038		mg/Kg	1	03/02/07 10:42



## ANALYTICAL RESULTS

Date: Wednesday, March 07, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-116-022807 (4-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0702875-08  
**Collection Date:** 02/28/07 14:30  
**Date Received:** 02/28/07 17:45

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1254	A	0.048	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 14:44
Total PCB's	A	0.048	0.033		mg/Kg	1	03/06/07 14:44
Surr: Tetrachloro-m-xylene	S	55.1	5-165	%REC	1	03/06/07 14:44	
Surr: Decachlorobiphenyl	S	90.1	5-222	%REC	1	03/06/07 14:44	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/01/07 15:25 Analyst: SA			
Arsenic	A	6.7	0.50		mg/Kg	1	03/05/07 16:33
Barium	A	92	0.099		mg/Kg	1	03/02/07 18:42
Cadmium	A	2.1	0.099		mg/Kg	1	03/02/07 18:42
Chromium	A	18	0.15		mg/Kg	1	03/02/07 18:42
Lead	A	560	0.37		mg/Kg	1	03/02/07 18:42
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 18:42
Silver	A	ND	0.50		mg/Kg	1	03/02/07 18:42

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/01/07 15:20 Analyst: AC			
Mercury	A	0.41	0.042		mg/Kg	1	03/02/07 10:43



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

Date: Wednesday, March 07, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0702875**

Checklist completed by SM | 2/28/2007 6:14:07 PM

Date / Time Received: **2/28/2007 5:45:00 PM**

Received by: SM

Reviewed by RM | 3/1/2007 3:37:39 PM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No

Not Present

Custody seals intact on shipping container/cooler?

Yes

No

Not Present

Custody seals intact on sample bottles?

Yes

No

Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 1 °C

VOA vials have zero headspace?

No VOA vials submitted

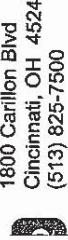
Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0702875-01A	B-108-022707 (2-4')	
ME0702875-02A	B-109-022807 (0-0.5')	
ME0702875-03A	B-110-022807 (5-6')	
ME0702875-04A	B-111-022807 (5-6')	
ME0702875-05A	B-112-027807 (4-6')	
ME0702875-06A	B-113-022807 (1-5')	
ME0702875-07A	B-115-022807 (4-6')	
ME0702875-08A	B-116-022807 (4-6')	



1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

# **Environmental Quality Management, Inc.**

## **Chain of Custody Record**

## Chain of Custody Record

COC Tracking: EQ-10174

Lot No.	Project Name	TESTS									
		No. of Containers		Lab P.O. No.		Comments		Sample Volume /		Description/Matrix:	
	Project Name: Bill Armstrong / Jay Rank	Date	Time	Description/Matrix:							
-108-0222707(2-4)	2/28/07	1615	Soil	1	X	X					
-109-0222807(0-0.5)	2/28/07	0730		1							
-110-0222807(5-6)	2/28/07	0830		1							
-111-0222807(5-6)	2/28/07	1000		1							
B-112-0222807(4-6)	2/28/07	1045		1							
B-113-0222807(1-5)	2/28/07	1130		1							
B-115-0222807(4-6)	2/28/07	1330		1							
B-116-0222807(4-6)	2/28/07	1430		1							
Relinquished by: (Signature) <i>[Signature]</i>	Date	Time	Received by: (Signature)	Date	Time	Time					Ship To:
Relinquished by: (Signature) <i>[Signature]</i>	Date	Time	Received By: (Signature)	Date	Time	Time					
Relinquished by: (Signature) <i>[Signature]</i>	Date	Time	Received by: (Signature)	Date	Time	Time					Airbill Number
Turn Around Time (EXACT DUE DATE):	Report To:	10 days	Report To:	2/28/07	17:45	Time					Chain of Custody Seal Numbers
Reporting/QA Requirements: <i>[Signature]</i>	Report To:	10 days	Report To:	2/28/07	17:45	Time					

**ME0702875 EQM - CINCINNATTI**  
Ingersoll / Chicago, IL

*Aaron Rocki*

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1/18/2012 9:41:42 AM



March 08, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703025

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 7 samples on 3/1/2007 5:01:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

  
Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Thursday, March 08, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703025

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703025-01A	B-118-030107 (4-8')		3/1/2007 8:00:00 AM	3/1/2007
ME0703025-02A	B-119-030107 (5-7')		3/1/2007 9:15:00 AM	3/1/2007
ME0703025-03A	B-120-030107 (5-7')		3/1/2007 10:30:00 AM	3/1/2007
ME0703025-04A	B-121-030107 (5-7')		3/1/2007 11:15:00 AM	3/1/2007
ME0703025-05A	B-122-030107 (2-6')		3/1/2007 1:15:00 PM	3/1/2007
ME0703025-06A	B-107-030107 (8-10')		3/1/2007 2:30:00 PM	3/1/2007
ME0703025-07A	B-123-030107 (4-6')		3/1/2007 3:30:00 PM	3/1/2007



## ANALYTICAL RESULTS

Date: Thursday, March 08, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-118-030107 (4-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703025-01  
**Collection Date:** 03/01/07 08:00  
**Date Received:** 03/01/07 17:01

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 12:01
Surr: Tetrachloro-m-xylene	S	90.1	5-165		%REC	1	03/06/07 12:01
Surr: Decachlorobiphenyl	S	90.1	5-222		%REC	1	03/06/07 12:01

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/02/07 08:55 Analyst: SA			
Arsenic	A	5.7	0.50		mg/Kg	1	03/05/07 17:11
Barium	A	82	0.10		mg/Kg	1	03/02/07 20:19
Cadmium	A	0.60	0.10		mg/Kg	1	03/02/07 20:19
Chromium	A	12	0.15		mg/Kg	1	03/02/07 20:19
Lead	A	93	0.38		mg/Kg	1	03/02/07 20:19
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 20:19
Silver	A	ND	0.50		mg/Kg	1	03/02/07 20:19

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/02/07 09:10 Analyst: AC			
Mercury	A	ND	0.040		mg/Kg	1	03/02/07 10:53



## ANALYTICAL RESULTS

Date: Thursday, March 08, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-119-030107 (5-7')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703025-02  
**Collection Date:** 03/01/07 09:15  
**Date Received:** 03/01/07 17:01

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 12:34
Surr: Tetrachloro-m-xylene	S	90.1	5-165		%REC	1	03/06/07 12:34
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/06/07 12:34

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/02/07 08:55 Analyst: SA			
Arsenic	A	3.7	0.49		mg/Kg	1	03/05/07 17:16
Barium	A	77	0.097		mg/Kg	1	03/02/07 20:25
Cadmium	A	0.31	0.097		mg/Kg	1	03/02/07 20:25
Chromium	A	10	0.15		mg/Kg	1	03/02/07 20:25
Lead	A	30	0.36		mg/Kg	1	03/02/07 20:25
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 20:25
Silver	A	ND	0.49		mg/Kg	1	03/02/07 20:25

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/02/07 09:10 Analyst: AC			
Mercury	A	0.045	0.042		mg/Kg	1	03/02/07 10:57



## ANALYTICAL RESULTS

Date: Thursday, March 08, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-120-030107 (5-7')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703025-03  
**Collection Date:** 03/01/07 10:30  
**Date Received:** 03/01/07 17:01

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 19:04
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/06/07 19:04	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/06/07 19:04	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/02/07 08:55 Analyst: SA			
Arsenic	A	9.7	0.47		mg/Kg	1	03/05/07 17:59
Barium	A	77	0.093		mg/Kg	1	03/02/07 20:41
Cadmium	A	2.8	0.093		mg/Kg	1	03/02/07 20:41
Chromium	A	18	0.14		mg/Kg	1	03/02/07 20:41
Lead	A	96	0.35		mg/Kg	1	03/02/07 20:41
Selenium	A	ND	1.4		mg/Kg	1	03/02/07 20:41
Silver	A	ND	0.47		mg/Kg	1	03/02/07 20:41

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/02/07 09:10 Analyst: AC			
Mercury	A	0.17	0.036		mg/Kg	1	03/02/07 11:01



## ANALYTICAL RESULTS

Date: Thursday, March 08, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-121-030107 (5-7')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703025-04  
**Collection Date:** 03/01/07 11:15  
**Date Received:** 03/01/07 17:01

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Total PCB's	A	ND	0.033		mg/Kg	1	03/08/07 09:39
Surr: Tetrachloro-m-xylene	S	310	5-165	S	%REC	1	03/08/07 09:39
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/08/07 09:39

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/02/07 08:55 Analyst: SA			
Arsenic	A	5.9	0.45		mg/Kg	1	03/05/07 18:05
Barium	A	69	0.090		mg/Kg	1	03/02/07 21:08
Cadmium	A	0.33	0.090		mg/Kg	1	03/02/07 21:08
Chromium	A	11	0.14		mg/Kg	1	03/02/07 21:08
Lead	A	84	0.34		mg/Kg	1	03/02/07 21:08
Selenium	A	ND	1.4		mg/Kg	1	03/02/07 21:08
Silver	A	ND	0.45		mg/Kg	1	03/02/07 21:08

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/02/07 09:10 Analyst: AC			
Mercury	A	0.044	0.039		mg/Kg	1	03/02/07 11:03



## ANALYTICAL RESULTS

Date: Thursday, March 08, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-122-030107 (2-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703025-05  
**Collection Date:** 03/01/07 13:15  
**Date Received:** 03/01/07 17:01

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 20:10
Surr: Tetrachloro-m-xylene	S	80.1	5-165		%REC	1	03/06/07 20:10
Surr: Decachlorobiphenyl	S	55.1	5-222		%REC	1	03/06/07 20:10

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/02/07 08:55 Analyst: SA			
Arsenic	A	2.6	0.44		mg/Kg	1	03/05/07 18:10
Barium	A	79	0.088		mg/Kg	1	03/02/07 21:13
Cadmium	A	17	0.088		mg/Kg	1	03/02/07 21:13
Chromium	A	13	0.13		mg/Kg	1	03/02/07 21:13
Lead	A	92	0.33		mg/Kg	1	03/02/07 21:13
Selenium	A	ND	1.3		mg/Kg	1	03/02/07 21:13
Silver	A	ND	0.44		mg/Kg	1	03/02/07 21:13

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/02/07 09:10 Analyst: AC			
Mercury	A	0.34	0.041		mg/Kg	1	03/02/07 11:04



## ANALYTICAL RESULTS

Date: Thursday, March 08, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-107-030107 (8-10')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1260	A	0.20	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 10:12
Total PCB's	A	0.20	0.033		mg/Kg	1	03/08/07 10:12
Surr: Tetrachloro-m-xylene	S	40.0	5-165	%REC	1	03/08/07 10:12	
Surr: Decachlorobiphenyl	S	200	5-222	%REC	1	03/08/07 10:12	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/02/07 08:55 Analyst: SA			
Arsenic	A	9.1	0.50		mg/Kg	1	03/05/07 18:16
Barium	A	500	0.10		mg/Kg	1	03/02/07 21:19
Cadmium	A	14	0.10		mg/Kg	1	03/02/07 21:19
Chromium	A	76	0.15		mg/Kg	1	03/02/07 21:19
Lead	A	670	0.38		mg/Kg	1	03/02/07 21:19
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 21:19
Silver	A	1.9	0.50		mg/Kg	1	03/02/07 21:19

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/02/07 09:10 Analyst: AC			
Mercury	A	0.23	0.041		mg/Kg	1	03/02/07 11:06



## ANALYTICAL RESULTS

Date: Thursday, March 08, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-123-030107 (4-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703025-07  
**Collection Date:** 03/01/07 15:30  
**Date Received:** 03/01/07 17:01

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 21:16
Surr: Tetrachloro-m-xylene	S	60.1	5-165	%REC	1	03/06/07 21:16	
Surr: Decachlorobiphenyl	S	55.1	5-222	%REC	1	03/06/07 21:16	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/02/07 08:55 Analyst: SA			
Arsenic	A	4.1	0.50		mg/Kg	1	03/05/07 18:21
Barium	A	64	0.099		mg/Kg	1	03/02/07 21:24
Cadmium	A	ND	0.099		mg/Kg	1	03/02/07 21:24
Chromium	A	11	0.15		mg/Kg	1	03/02/07 21:24
Lead	A	16	0.37		mg/Kg	1	03/02/07 21:24
Selenium	A	ND	1.5		mg/Kg	1	03/02/07 21:24
Silver	A	ND	0.50		mg/Kg	1	03/02/07 21:24

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/02/07 09:10 Analyst: AC			
Mercury	A	0.35	0.041		mg/Kg	1	03/02/07 11:07



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

**Date:** Thursday, March 08, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703025**

Checklist completed by SM | 3/1/2007 5:25:52 PM

Date / Time Received: **3/1/2007 5:01:00 PM**

Received by SM

Reviewed by RM | 3/2/2007 5:39:56 PM

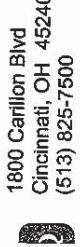
Carrier name	<u>Microbac</u>		
After-Hour Arrival?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody included sufficient client identification?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody included sufficient sample collector information?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody included a sample description?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody identified the appropriate matrix?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody included date of collection?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody included time of collection?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody identified the appropriate number of containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody identified the appropriate preservatives?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

If No, adjusted by?	Date/Time
Chain of custody included the requested analyses?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Samples received on ice?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Container/Temp Blank temperature	Temp: 1 °C
VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703025-01A	B-118-030107 (4-8')	
ME0703025-02A	B-119-030107 (5-7')	
ME0703025-03A	B-120-030107 (5-7')	
ME0703025-04A	B-121-030107 (5-7')	
ME0703025-05A	B-122-030107 (2-6')	
ME0703025-06A	B-107-030107 (8-10')	
ME0703025-07A	B-123-030107 (4-6')	



1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

Digitized by srujanika@gmail.com

**ME0703025 EQM**  
Ingersoll / Chicago, IL  
A. B. N.

Ingersoll / Ch  
A. B. A.

# **Environmental Quality Management, Inc.**

## **Chain of Custody Record**

COC Tracking: EQ-10175

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

**Microbac Laboratories, Inc.**

Date: 08-Mar-07

**CLIENT:** Environmental Quality Management, Inc.**Work Order:** ME0703025**Project:** Ingersoll / Chicago, IL**ANALYTICAL QC SUMMARY REPORT****BatchID:** 50331

Sample ID:	MB070302-5	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/2/2007 9:10:00 AM	Run ID:	CVAAC_070302A	
Client ID:	zzzzz	Batch ID:	50331	TestNo:	SW7471A <th></th> <th></th> <th>Analysis Date:</th> <td>3/2/2007 10:50:00 AM</td> <th>SeqNo:</th> <td>1476717</td>			Analysis Date:	3/2/2007 10:50:00 AM	SeqNo:	1476717	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	ND	0.0010								0	0	
Sample ID:	ME0703025-02AMS	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/2/2007 9:10:00 AM	Run ID:	CVAAC_070302A	
Client ID:	B-119-030107 (5-7)	Batch ID:	50331	TestNo:	SW7471A			Analysis Date:	3/2/2007 10:59:00 AM	SeqNo:	1476723	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.1129	0.043	0.08621	0.04534	78.4	70	70	130	0	0	0	
Sample ID:	ME0703025-02AMS	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/2/2007 9:10:00 AM	Run ID:	CVAAC_070302A	
Client ID:	B-119-030107 (5-7)	Batch ID:	50331	TestNo:	SW7471A			Analysis Date:	3/2/2007 11:00:00 AM	SeqNo:	1476724	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.1108	0.042	0.08333	0.04534	78.6	70	70	130	0.1129	1.87	20	
Sample ID:	LCS070302-5	SampType:	LCS2	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/2/2007 9:10:00 AM	Run ID:	CVAAC_070302A	
Client ID:	zzzzz	Batch ID:	50331	TestNo:	SW7471A			Analysis Date:	3/2/2007 10:51:00 AM	SeqNo:	1476718	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	8.88	2.0	8.28	0	107	66.1	66.1	133	0	0	0	

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.

## ANALYTICAL OC SUMMARY REPORT

E0703025

Ingersoll / Chicago, IL

BatchID: 50337

## ANALYTICAL QC SUMMARY REPORT

Sample ID:	MB070302-4	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/2/2007 8:55:00 AM	Run ID:	ICP-2_070302A	
Client ID:	zzzzz	Batch ID:	50337	TestNo:	SW6010B			Analysis Date:	3/2/2007 8:08:00 PM	SeqNo:	1477361	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	ND	0.10										J
Cadmium	0.05	0.10										J
Chromium	0.2	0.15										J
Lead	0.285	0.38										J
Selenium	0.605	1.5										
Silver	ND	0.50										

Sample ID:	MB070302-4	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/2/2007 8:55:00 AM	Run ID:	ICP-2_070305B	
Client ID:	zzzzz	Batch ID:	50337	TestNo:	SW6010B			Analysis Date:	3/5/2007 5:00:00 PM	SeqNo:	1478285	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50										

Sample ID:	ME0703025-02AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/2/2007 8:55:00 AM	Run ID:	ICP-2_070302A	
Client ID:	B-119-030107 (5-7)	Batch ID:	50337	TestNo:	SW6010B			Analysis Date:	3/2/2007 8:30:00 PM	SeqNo:	1477365	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	228.7	0.098	107.8	76.65	141	75	125	0		0		S
Cadmium	11.14	0.098	9.804	0.3107	110	75	125	0		0		b
Chromium	129	0.15	98.04	10.26	121	75	125	0		0		b
Lead	137.7	0.37	98.04	29.87	110	75	125	0		0		b
Selenium	99.46	1.5	98.04	0	101	75	125	0		0		b
Silver	9.284	0.49	9.804	0	94.7	75	125	0		0		

Sample ID:	ME0703025-02AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/2/2007 8:55:00 AM	Run ID:	ICP-2_070305B	
Client ID:	B-119-030107 (5-7)	Batch ID:	50337	TestNo:	SW6010B			Analysis Date:	3/5/2007 5:43:00 PM	SeqNo:	1478291	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106.4	0.49	98.04	3.743	105	75	125	0		0		

**Qualifiers:** ND - Not Detected at the Reporting Limit

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R - RPD outside accepted limits

B - Analyte detected above reporting limit in the Method Blank

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b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.

Environmental Quality Management, Inc.

Environment  
ME0703025

Environmental Quality Management, Inc.  
ME0703025  
Ingersoll / Chicago, IL

## ANALYTICAL OC SUMMARY REPORT

Sample ID: ME0703025-02AM\$		Samp Type: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/2/2007 8:55:00 AM			Run ID: ICP-2_070302A			
Client ID: B-119-030107 (5-7)		Batch ID: 50337	TestNo: SW6010B		Analysis Date: 3/2/2007 8:36:00 PM			SeqNo: 1477366			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	206.9	0.098	107.8	76.65	121	75	125	228.7	10.0	20	
Cadmium	10.62	0.098	9.804	0.3107	105	75	125	11.14	4.73	20	b
Chromium	120.6	0.15	98.04	10.26	113	75	125	129	6.72	20	
Lead	172	0.37	98.04	29.87	145	75	125	137.7	22.1	20	bSR
Selenium	95.15	1.5	98.04	0	97	75	125	99.46	4.43	20	b
Silver	8.559	0.49	9.804	0	87.3	75	125	9.284	8.13	20	
Sample ID: ME0703025-02AM\$		Samp Type: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/2/2007 8:55:00 AM			Run ID: ICP-2_070305B			
Client ID: B-119-030107 (5-7)		Batch ID: 50337	TestNo: SW6010B		Analysis Date: 3/5/2007 5:48:00 PM			SeqNo: 1478292			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104.4	0.49	98.04	3.743	103	75	125	106.4	1.91	20	
Sample ID: LCS0703024		Samp Type: LCS2	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/2/2007 8:55:00 AM			Run ID: ICP-2_070302A			
Client ID: ZZZZZ		Batch ID: 50337	TestNo: SW6010B		Analysis Date: 3/2/2007 8:14:00 PM			SeqNo: 1477362			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	344.1	0.20	319	0	108	82.8	117	0	0	0	
Cadmium	70.61	0.20	66.5	0	106	82.1	118	0	0	0	b
Chromium	76.94	0.30	72.9	0	106	79.3	121	0	0	0	b
Lead	133.9	0.75	130	0	103	81.5	118	0	0	0	b
Selenium	170.5	3.0	161	0	106	77.6	122	0	0	0	b
Silver	108.8	1.0	101	0	108	66.2	134	0	0	0	
Sample ID: LCS0703024		Samp Type: LCS2	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/2/2007 8:55:00 AM			Run ID: ICP-2_070305B			
Client ID: ZZZZZ		Batch ID: 50337	TestNo: SW6010B		Analysis Date: 3/5/2007 5:05:00 PM			SeqNo: 1478286			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	135	1.0	132	0	102	80.3	119	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703025  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50337

Sample ID:	ME0703025-02A	SampType:	PDS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/2/2007 8:55:00 AM	Run ID:	ICP-2_070305B	
Client ID:	B-119-030107 (5-7')	Batch ID:	50337	TestNo:	SW6010B			Analysis Date:	3/5/2007 5:54:00 PM	SeqNo:	1478293	
Analyte	Lead	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		114.7	0.36	97.09	29.87	87.3	85	115	0	0	b	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703025  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50380

Sample ID: bk-2-030507		SampType: mblk	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/5/2007 9:48:00 AM			Run ID: ECD-2_070305A			
Client ID: ZZZZZ		Batch ID: 50380	TestNo: SW8082		Analysis Date: 3/6/2007 2:37:00 AM			SeqNo: 1478357			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33									
Aroclor 1221	ND	33									
Aroclor 1232	ND	33									
Aroclor 1242	ND	33									
Aroclor 1248	ND	33									
Aroclor 1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Aroclor 1268	ND	33									
Total PCB's											
Surr: Tetrachloro-m-xylene	5.333	0	6.66	0	80.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	6.667	0	6.66	0	100	5	222	0	0	0	
Sample ID: lcs-2-030507		SampType: lcs	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/5/2007 9:48:00 AM			Run ID: ECD-2_070305A			
Client ID: ZZZZZ		Batch ID: 50380	TestNo: SW8082		Analysis Date: 3/6/2007 3:10:00 AM			SeqNo: 1478358			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160.1	33	166.7	0	96	51.7	133	0	0	0	
Aroclor 1260	177.8	33	166.7	0	107	36.8	136	0	0	0	
Surr: Tetrachloro-m-xylene	6	0	6.66	0	90.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	7	0	6.66	0	105	5	222	0	0	0	
Sample ID: me070287-05ams		SampType: ms	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/5/2007 9:48:00 AM			Run ID: ECD-2_070305A			
Client ID: ZZZZZ		Batch ID: 50380	TestNo: SW8082		Analysis Date: 3/6/2007 8:38:00 AM			SeqNo: 1478368			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	157	33	166.7	0	94.2	10	133	0	0	0	
Aroclor 1260	160.3	33	166.7	0	96.2	16.2	138	0	0	0	
Surr: Tetrachloro-m-xylene	11	0	6.66	0	165	5	165	0	0	0	
Surr: Decachlorobiphenyl	6	0	6.66	0	90.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703025  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50380

Sample ID:	me070287-05amsd	SampType:	msd	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/5/2007 9:48:00 AM	Run ID:	ECD-2_070305A	
Client ID:	zzzzz	Batch ID:	50380	TestNo:	SW8082			Analysis Date:	3/6/2007 9:11:00 AM	SeqNo:	1478369	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		158.2	33	166.7	0	94.9	10	133	157	0.761	60.3	
Aroclor 1260		170.7	33	166.7	0	102	16.2	138	160.3	6.32	21.2	
Surr: Tetrachloro-m-xylene		7	0	6.66	0	105	5	165	0	0	0	
Surr: Decachlorobiphenyl		6	0	6.66	0	90.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank



March 09, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703067

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 8 samples on 3/2/2007 6:50:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Ronald J. Misiunas".

Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Friday, March 09, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703067

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703067-01A	B-124-030107 (4-6')		3/1/2007 4:30:00 PM	3/2/2007
ME0703067-02A	B-126-030207 (1-2')		3/2/2007 10:30:00 AM	3/2/2007
ME0703067-03A	B-127-030207 (1-7')		3/2/2007 11:40:00 AM	3/2/2007
ME0703067-04A	B-127-030207 (1-7') DU		3/2/2007 11:40:00 AM	3/2/2007
ME0703067-05A	B-117-030207 (2-4')		3/2/2007 8:45:00 AM	3/2/2007
ME0703067-06A	B-128-0300207 (3-5')		3/2/2007 12:30:00 PM	3/2/2007
ME0703067-07A	B-129-030207 (3-6')		3/2/2007 1:30:00 PM	3/2/2007
ME0703067-08A	B-130-030207 (3-7')		3/2/2007 2:30:00 PM	3/2/2007



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-124-030107 (4-6')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 21:49
Surr: Tetrachloro-m-xylene	S	105	5-165	%REC	1	03/06/07 21:49	
Surr: Decachlorobiphenyl	S	65.1	5-222	%REC	1	03/06/07 21:49	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 19:45 Analyst: AC			
Arsenic	A	4.4	0.50		mg/Kg	1	03/06/07 14:27
Barium	A	39	0.10		mg/Kg	1	03/07/07 09:56
Cadmium	A	1.6	0.10		mg/Kg	1	03/06/07 14:27
Chromium	A	9.9	0.15		mg/Kg	1	03/06/07 14:27
Lead	A	430	0.38		mg/Kg	1	03/06/07 14:27
Selenium	A	ND	1.5		mg/Kg	1	03/06/07 14:27
Silver	A	ND	0.50		mg/Kg	1	03/06/07 14:27

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.036		mg/Kg	1	03/07/07 12:17



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-126-030207 (1-2')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703067-02  
**Collection Date:** 03/02/07 10:30  
**Date Received:** 03/02/07 18:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/05/07 09:48 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Total PCB's	A	ND	0.033		mg/Kg	1	03/06/07 22:21
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/06/07 22:21
Surr: Decachlorobiphenyl	S	70.1	5-222		%REC	1	03/06/07 22:21

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 07:45 Analyst: AC			
Arsenic	A	0.54	0.46		mg/Kg	1	03/06/07 14:33
Barium	A	18	0.092		mg/Kg	1	03/07/07 10:02
Cadmium	A	ND	0.092		mg/Kg	1	03/06/07 14:33
Chromium	A	5.4	0.14		mg/Kg	1	03/06/07 14:33
Lead	A	82	0.34		mg/Kg	1	03/06/07 14:33
Selenium	A	ND	1.4		mg/Kg	1	03/06/07 14:33
Silver	A	ND	0.46		mg/Kg	1	03/06/07 14:33

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.040		mg/Kg	1	03/07/07 12:18



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-127-030207 (1-7')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/06/07 17:30 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Total PCB's	A	ND	0.033		mg/Kg	1	03/08/07 05:27
Surr: Tetrachloro-m-xylene	S	80.1	5-165		%REC	1	03/08/07 05:27
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/08/07 05:27

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 07:45 Analyst: AC			
Arsenic	A	4.1	0.50		mg/Kg	1	03/06/07 14:49
Barium	A	52	0.10		mg/Kg	1	03/07/07 10:18
Cadmium	A	0.32	0.10		mg/Kg	1	03/06/07 14:49
Chromium	A	11	0.15		mg/Kg	1	03/06/07 14:49
Lead	A	230	0.38		mg/Kg	1	03/06/07 14:49
Selenium	A	ND	1.5		mg/Kg	1	03/06/07 14:49
Silver	A	ND	0.50		mg/Kg	1	03/06/07 14:49

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.036		mg/Kg	1	03/07/07 12:23



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-127-030207 (1-7') DUP  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703067-04  
**Collection Date:** 03/02/07 11:40  
**Date Received:** 03/02/07 18:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/06/07 17:30 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Total PCB's	A	ND	0.033		mg/Kg	1	03/08/07 06:00
Surr: Tetrachloro-m-xylene	S	95.1	5-165		%REC	1	03/08/07 06:00
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/08/07 06:00

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 07:45 Analyst: AC			
Arsenic	A	4.6	0.44		mg/Kg	1	03/06/07 14:55
Barium	A	61	0.088		mg/Kg	1	03/07/07 10:24
Cadmium	A	0.51	0.088		mg/Kg	1	03/06/07 14:55
Chromium	A	9.8	0.13		mg/Kg	1	03/06/07 14:55
Lead	A	250	0.33		mg/Kg	1	03/06/07 14:55
Selenium	A	ND	1.3		mg/Kg	1	03/06/07 14:55
Silver	A	ND	0.44		mg/Kg	1	03/06/07 14:55

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.036		mg/Kg	1	03/07/07 12:24



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-117-030207 (2-4')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703067-05  
**Collection Date:** 03/02/07 08:45  
**Date Received:** 03/02/07 18:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/06/07 17:30 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1260	A	0.10	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 06:33
Total PCB's	A	0.10	0.033		mg/Kg	1	03/08/07 06:33
Surr: Tetrachloro-m-xylene	S	100	5-165	%REC	1	03/08/07 06:33	
Surr: Decachlorobiphenyl	S	85.1	5-222	%REC	1	03/08/07 06:33	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 07:45 Analyst: AC			
Arsenic	A	7.8	0.43		mg/Kg	1	03/06/07 15:00
Barium	A	590	0.085		mg/Kg	1	03/07/07 10:29
Cadmium	A	1.7	0.085		mg/Kg	1	03/06/07 15:00
Chromium	A	10	0.13		mg/Kg	1	03/06/07 15:00
Lead	A	220	0.32		mg/Kg	1	03/06/07 15:00
Selenium	A	ND	1.3		mg/Kg	1	03/06/07 15:00
Silver	A	ND	0.43		mg/Kg	1	03/06/07 15:00

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	0.29	0.033		mg/Kg	1	03/07/07 12:25



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-128-0300207 (3-5')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703067-06  
**Collection Date:** 03/02/07 12:30  
**Date Received:** 03/02/07 18:50

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/06/07 17:30 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Total PCB's	A	ND	0.033		mg/Kg	1	03/08/07 07:06
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/08/07 07:06
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/08/07 07:06

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 07:45 Analyst: AC			
Arsenic	A	9.8	0.48		mg/Kg	1	03/06/07 15:06
Barium	A	48	0.096		mg/Kg	1	03/07/07 10:35
Cadmium	A	5.7	0.096		mg/Kg	1	03/06/07 15:06
Chromium	A	8.6	0.14		mg/Kg	1	03/06/07 15:06
Lead	A	230	0.36		mg/Kg	1	03/06/07 15:06
Selenium	A	ND	1.4		mg/Kg	1	03/06/07 15:06
Silver	A	0.73	0.48		mg/Kg	1	03/06/07 15:06

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/07/07 12:27



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-129-030207 (3-6')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/06/07 17:30 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Total PCB's	A	ND	0.033		mg/Kg	1	03/08/07 07:39
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/08/07 07:39
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/08/07 07:39

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 07:45 Analyst: AC			
Arsenic	A	12	0.43		mg/Kg	1	03/06/07 15:11
Barium	A	16	0.086		mg/Kg	1	03/07/07 10:40
Cadmium	A	4.9	0.086		mg/Kg	1	03/06/07 15:11
Chromium	A	5.9	0.13		mg/Kg	1	03/06/07 15:11
Lead	A	27	0.32		mg/Kg	1	03/06/07 15:11
Selenium	A	ND	1.3		mg/Kg	1	03/06/07 15:11
Silver	A	0.50	0.43		mg/Kg	1	03/06/07 15:11

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/07/07 12:28



## ANALYTICAL RESULTS

Date: Friday, March 09, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-130-030207 (3-7')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/06/07 17:30 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1260	A	0.15	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/08/07 08:11
Total PCB's	A	0.15	0.033		mg/Kg	1	03/08/07 08:11
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/08/07 08:11	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/08/07 08:11	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 07:45 Analyst: AC			
Arsenic	A	4.5	0.44		mg/Kg	1	03/06/07 15:17
Barium	A	6.1	0.088		mg/Kg	1	03/07/07 10:46
Cadmium	A	0.097	0.088		mg/Kg	1	03/06/07 15:17
Chromium	A	7.6	0.13		mg/Kg	1	03/06/07 15:17
Lead	A	8.5	0.33		mg/Kg	1	03/06/07 15:17
Selenium	A	ND	1.3		mg/Kg	1	03/06/07 15:17
Silver	A	ND	0.44		mg/Kg	1	03/06/07 15:17

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.035		mg/Kg	1	03/07/07 12:30



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

Date: Friday, March 09, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703067**

Checklist completed by SM | 3/2/2007 7:22:03 PM

Date / Time Received: **3/2/2007 6:50:00 PM**

Received by: SM

Reviewed by RM | 3/5/2007 10:31:23 AM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No  Not Present

Custody seals intact on shipping container/cooler?

Yes

No  Not Present

Custody seals intact on sample bottles?

Yes

No  Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 2 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703067-01A	B-124-030107 (4-6')	
ME0703067-02A	B-126-030207 (1-2')	
ME0703067-03A	B-127-030207 (1-7')	
ME0703067-04A	B-127-030207 (1-7') DUP	
ME0703067-05A	B-117-030207 (2-4')	
ME0703067-06A	B-128-0300207 (3-5')	
ME0703067-07A	B-129-030207 (3-6')	
ME0703067-08A	B-130-030207 (3-7')	

# Microbac Laboratories, Inc.

Date: 08-Mar-07

**CLIENT:** Environmental Quality Management, Inc.

**Work Order:** ME0703067

**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50380

Sample ID:	bk-2-030507	SampType:	mblk	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/5/2007 9:48:00 AM	Run ID:	ECD-2_070305A	
Client ID:	zzzzz	Batch ID:	50380	TestNo:	SW8082			Analysis Date:	3/6/2007 2:37:00 AM	SeqNo:	1478357	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		ND	33									
Aroclor 1221		ND	33									
Aroclor 1232		ND	33									
Aroclor 1242		ND	33									
Aroclor 1248		ND	33									
Aroclor 1254		ND	33									
Aroclor 1260		ND	33									
Aroclor 1262		ND	33									
Aroclor 1268		ND	33									
Total PCB's		5.333	0	6.66		0	80.1	5	165	0	0	0
Surr: Decachlorobiphenyl		6.667	0	6.66		0	100	5	222	0	0	0
Sample ID:	lcs-2-030507	SampType:	lcs	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/5/2007 9:48:00 AM	Run ID:	ECD-2_070305A	
Client ID:	zzzzz	Batch ID:	50380	TestNo:	SW8082			Analysis Date:	3/6/2007 3:10:00 AM	SeqNo:	1478358	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		160.1	33	166.7	0	96	51.7	133	0	0	0	
Aroclor 1260		177.8	33	166.7	0	107	36.8	136	0	0	0	
Surr: Tetrachloro-m-xylene		6	0	6.66	0	90.1	5	165	0	0	0	
Surr: Decachlorobiphenyl		7	0	6.66	0	105	5	222	0	0	0	
Sample ID:	me0702875-05ams	SampType:	ms	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/5/2007 9:48:00 AM	Run ID:	ECD-2_070305A	
Client ID:	zzzzz	Batch ID:	50380	TestNo:	SW8082			Analysis Date:	3/6/2007 8:38:00 AM	SeqNo:	1478368	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		157	33	166.7	0	94.2	10	133	0	0	0	
Aroclor 1260		160.3	33	166.7	0	96.2	16.2	138	0	0	0	
Surr: Tetrachloro-m-xylene		11	0	6.66	0	165	5	165	0	0	0	S

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

b - Analyte detected below reporting limit in the Method Blank

H - Analyte detected above reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703067  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50380

Sample ID:	me0702875-05ams	SampType:	ms	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/5/2007 9:48:00 AM	Run ID:	ECD-2_070305A	
Client ID:	zzzzz	Batch ID:	50380	TestNo:	SW8082			Analysis Date:	3/6/2007 8:38:00 AM	SeqNo:	1478368	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl		6	0	6.66	0	90.1	5	222	0	0	0	
Sample ID:	me0702875-05amsd	SampType:	msd	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/5/2007 9:48:00 AM	Run ID:	ECD-2_070305A	
Client ID:	zzzzz	Batch ID:	50380	TestNo:	SW8082			Analysis Date:	3/6/2007 9:11:00 AM	SeqNo:	1478369	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	158.2	33	166.7	0	94.9	10	133	157	0.761	60.3		
Aroclor 1260	170.7	33	166.7	0	102	16.2	138	160.3	6.32	21.2		
Surr: Tetrachloro-m-xylene	7	0	6.66	0	105	5	165	0	0	0	0	
Surr: Decachlorobiphenyl	6	0	6.66	0	90.1	5	222	0	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703067  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50389

Sample ID: MB070306-3		SampType: MBLK	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 7:45:00 PM		Run ID: ICP-2_070306A				
Client ID: 50389		Batch ID: 50389	TestNo: SW6010B		Analysis Date: 3/6/2007 11:16:00 AM		SeqNo: 1478534				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Barium	ND	0.10									
Cadmium	ND	0.10									
Chromium	0.1	0.15									
Lead	ND	0.38									
Selenium	0.095	1.5									
Silver	ND	0.50									
Sample ID: ME0703067-02AMS		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 7:45:00 AM		Run ID: ICP-2_070306A				
Client ID: B-126-030207 (1-2')		Batch ID: 50389	TestNo: SW6010B		Analysis Date: 3/6/2007 2:38:00 PM		SeqNo: 1479120				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	97.8	0.47	93.46	0.5367	104	75	125	0	0	0	
Cadmium	8.85	0.093	9.346	0.05963	94.1	75	125	0	0	0	
Chromium	98.41	0.14	93.46	5.353	99.6	75	125	0	0	0	b
Lead	164.2	0.35	93.46	82.2	87.7	75	125	0	0	0	
Selenium	81.87	1.4	93.46	0	87.6	75	125	0	0	0	b
Silver	9.411	0.47	9.346	0	101	75	125	0	0	0	
Sample ID: ME0703067-02AMS		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 7:45:00 AM		Run ID: ICP-2_070307A				
Client ID: B-126-030207 (1-2')		Batch ID: 50389	TestNo: SW6010B		Analysis Date: 3/7/2007 10:07:00 AM		SeqNo: 1479328				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	116.2	0.093	102.8	17.8	95.7	75	125	0	0	0	
Sample ID: ME0703067-02AMS		SampType: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 7:45:00 AM		Run ID: ICP-2_070306A				
Client ID: B-126-030207 (1-2')		Batch ID: 50389	TestNo: SW6010B		Analysis Date: 3/6/2007 2:44:00 PM		SeqNo: 1479121				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	95.14	0.46	91.74	0.5367	103	75	125	97.8	2.76	20	
Cadmium	8.537	0.092	9.174	0.05963	92.4	75	125	8.85	3.61	20	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
b - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703067  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50389

Sample ID: ME0703067-02AMS		SampType: <b>MSD</b>	TestCode: <b>6010S</b>	Units: mg/Kg	Prep Date: 3/6/2007 7:45:00 AM			Run ID: ICP-2_070306A			
Client ID: B-126-030207 (1-2)		Batch ID: 50389	TestNo: <b>SW6010B</b>		Analysis Date: 3/6/2007 2:44:00 PM			SeqNo: 1479121			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	96.24	0.14	91.74	5.353	99.1	75	125	98.41	2.23	20	b
Lead	145.2	0.34	91.74	82.2	68.7	75	125	164.2	12.3	20	S
Selenium	78.94	1.4	91.74	0	86	75	125	81.87	3.64	20	b
Silver	9.037	0.46	9.174	0	98.5	75	125	9.411	4.06	20	
Sample ID: ME0703067-02AMS		SampType: <b>MSD</b>	TestCode: <b>6010S</b>	Units: mg/Kg	Prep Date: 3/6/2007 7:45:00 AM			Run ID: ICP-2_070307A			
Client ID: B-126-030207 (1-2)		Batch ID: 50389	TestNo: <b>SW6010B</b>		Analysis Date: 3/7/2007 10:13:00 AM			SeqNo: 1479329			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	115.7	0.092	100.9	17.8	97	75	125	116.2	0.414	20	
Sample ID: LCS070306-3		SampType: <b>LCS2</b>	TestCode: <b>6010S</b>	Units: mg/Kg	Prep Date: 3/6/2007 7:45:00 PM			Run ID: ICP-2_070306A			
Client ID: ZZZZZ		Batch ID: 50389	TestNo: <b>SW6010B</b>		Analysis Date: 3/6/2007 11:22:00 AM			SeqNo: 1478535			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	137	1.0	132	0	104	80.3	119	0	0	0	
Barium	330.8	0.20	319	0	104	82.8	117	0	0	0	
Cadmium	66.84	0.20	66.5	0	101	82.1	118	0	0	0	
Chromium	76.33	0.30	72.9	0	105	79.3	121	0	0	0	b
Lead	128.8	0.75	130	0	99.1	81.5	118	0	0	0	
Selenium	147.5	3.0	161	0	91.6	77.6	122	0	0	0	
Silver	108.8	1.0	101	0	108	66.2	134	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703067  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50393

Sample ID:	MB070306-5	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/6/2007 10:30:00 AM	Run ID:	CVAA_070307A	
Client ID:	zzzzz	Batch ID:	50393	TestNo:	SW7471A <th></th> <th></th> <th>Analysis Date:</th> <td>3/7/2007 12:00:00 PM</td> <th>SeqNo:</th> <td>1479520</td>			Analysis Date:	3/7/2007 12:00:00 PM	SeqNo:	1479520	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ND	0.0010											
Sample ID:	ME0703067-02AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/6/2007 10:30:00 AM	Run ID:	CVAA_070307A	
Client ID:	B-126-030207 (1-2')	Batch ID:	50393	TestNo:	SW7471A			Analysis Date:	3/7/2007 12:20:00 PM	SeqNo:	1479534	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1042	0.042	0.08333	0.0279	91.5	70	130	0	0	0	0	0	
Sample ID:	ME0703067-02AMS	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/6/2007 10:30:00 AM	Run ID:	CVAA_070307A	
Client ID:	B-126-030207 (1-2')	Batch ID:	50393	TestNo:	SW7471A			Analysis Date:	3/7/2007 12:21:00 PM	SeqNo:	1479535	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1196	0.042	0.08333	0.0279	110	70	130	0.1042	13.8	20	20	20	
Sample ID:	LCS070306-5	SampType:	LCS2	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/6/2007 10:30:00 AM	Run ID:	CVAA_070307A	
Client ID:	zzzzz	Batch ID:	50393	TestNo:	SW7471A			Analysis Date:	3/7/2007 12:02:00 PM	SeqNo:	1479521	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
8.86	2.0	8.28	0	107	66.1	133	0	0	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

b - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703067  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50416

		Sample ID: bk-3-030607						Sample ID: lcs-3b-030607					
		SampType:	mblk	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/6/2007 5:30:00 PM	Run ID:	ECD-2_070307A		
		Client ID:	50416	TestNo:	SW8082			Analysis Date:	3/8/2007 1:05:00 AM	SeqNo:	1480251		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Aroclor 1016		ND	33										
Aroclor 1221		ND	33										
Aroclor 1232		ND	33										
Aroclor 1242		ND	33										
Aroclor 1248		ND	33										
Aroclor 1254		ND	33										
Aroclor 1260		ND	33										
Aroclor 1262		ND	33										
Aroclor 1268		ND	33										
Total PCB's		ND	33										
Surr: Tetrachloro-m-xylene		6	0	6.66	0		90.1	5	165	0	0	0	
Surr: Decachlorobiphenyl		7	0	6.66	0		105	5	222	0	0	0	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Aroclor 1016		168.1	33	166.7	0	101	51.7	133	0	0	0		
Aroclor 1260		190.5	33	166.7	0	114	36.8	136	0	0	0		
Surr: Tetrachloro-m-xylene		6.667	0	6.66	0	100	5	165	0	0	0		
Surr: Decachlorobiphenyl		7	0	6.66	0	105	5	222	0	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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# Environmental Quality Management, Inc. Chain of Custody Record

1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

**ME0703067 EQM - CINCINNATTI**  
Ingersoll / Chicago, IL

Aaron Roski

COC Tracking: EQ-10176

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File



March 12, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703109

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 11 samples on 3/5/2007 5:42:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

  
Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Monday, March 12, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703109

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703109-01A	B-131-030207 (4-10)		3/2/2007 3:30:00 PM	3/5/2007
ME0703109-02A	B-132-030507 (1-2')		3/5/2007 8:30:00 AM	3/5/2007
ME0703109-03A	B-133-030507 (1-2')		3/5/2007 9:30:00 AM	3/5/2007
ME0703109-04A	B-134-030507 (1-6')		3/5/2007 9:50:00 AM	3/5/2007
ME0703109-05A	B-135-030507 (1-3')		3/5/2007 10:45:00 AM	3/5/2007
ME0703109-06A	B-136-030507 (1-2')		3/5/2007 11:30:00 AM	3/5/2007
ME0703109-07A	B-137-030507 (1-1.5')		3/5/2007 12:40:00 PM	3/5/2007
ME0703109-08A	B-138-030507 (1-6')		3/5/2007 1:20:00 PM	3/5/2007
ME0703109-09A	B-139-030507 (1-6')		3/5/2007 2:00:00 PM	3/5/2007
ME0703109-10A	B-140-030507 (1-5')		3/5/2007 2:30:00 PM	3/5/2007
ME0703109-11A	B-141-030507 (1-7')		3/5/2007 3:30:00 PM	3/5/2007



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-131-030207 (4-10)  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-01  
**Collection Date:** 03/02/07 15:30  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Total PCB's	A	ND	0.033		mg/Kg	1	03/10/07 20:25
Surr: Tetrachloro-m-xylene	S	130	5-165		%REC	1	03/10/07 20:25
Surr: Decachlorobiphenyl	S	90.1	5-222		%REC	1	03/10/07 20:25

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	5.5	0.41		mg/Kg	1	03/06/07 15:54
Barium	A	12	0.083		mg/Kg	1	03/07/07 17:29
Cadmium	A	0.99	0.083		mg/Kg	1	03/06/07 15:54
Chromium	A	5.0	0.12		mg/Kg	1	03/06/07 15:54
Lead	A	13	0.31		mg/Kg	1	03/06/07 15:54
Selenium	A	ND	1.2		mg/Kg	1	03/06/07 15:54
Silver	A	ND	0.41		mg/Kg	1	03/06/07 15:54

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/07/07 12:37



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-132-030507 (1-2')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-02  
**Collection Date:** 03/05/07 08:30  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Total PCB's	A	ND	0.033		mg/Kg	1	03/10/07 20:58
Surr: Tetrachloro-m-xylene	S	130	5-165		%REC	1	03/10/07 20:58
Surr: Decachlorobiphenyl	S	125	5-222		%REC	1	03/10/07 20:58

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	6.5	0.43		mg/Kg	1	03/06/07 16:00
Barium	A	100	0.087		mg/Kg	1	03/07/07 17:34
Cadmium	A	0.68	0.087		mg/Kg	1	03/06/07 16:00
Chromium	A	12	0.13		mg/Kg	1	03/06/07 16:00
Lead	A	120	0.33		mg/Kg	1	03/06/07 16:00
Selenium	A	ND	1.3		mg/Kg	1	03/06/07 16:00
Silver	A	ND	0.43		mg/Kg	1	03/06/07 16:00

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	0.039	0.035		mg/Kg	1	03/07/07 12:38



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-133-030507 (1-2')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-03  
**Collection Date:** 03/05/07 09:30  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1254	A	0.038	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/12/07 13:55
Total PCB's	A	0.038	0.033		mg/Kg	1	03/12/07 13:55
Surr: Tetrachloro-m-xylene	S	105	5-165	%REC	1	03/12/07 13:55	
Surr: Decachlorobiphenyl	S	90.1	5-222	%REC	1	03/12/07 13:55	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	8.5	0.47		mg/Kg	1	03/06/07 16:06
Barium	A	500	0.093		mg/Kg	1	03/07/07 17:40
Cadmium	A	0.78	0.093		mg/Kg	1	03/06/07 16:06
Chromium	A	22	0.14		mg/Kg	1	03/06/07 16:06
Lead	A	140	0.35		mg/Kg	1	03/06/07 16:06
Selenium	A	17	1.4		mg/Kg	1	03/06/07 16:06
Silver	A	7.4	0.47		mg/Kg	1	03/06/07 16:06

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	0.73	0.16		mg/Kg	5	03/07/07 14:06



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-134-030507 (1-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-04  
**Collection Date:** 03/05/07 09:50  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1254	A	0.26	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/12/07 14:26
Total PCB's	A	0.26	0.033		mg/Kg	1	03/12/07 14:26
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/12/07 14:26	
Surr: Decachlorobiphenyl	S	85.1	5-222	%REC	1	03/12/07 14:26	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	6.2	0.50		mg/Kg	1	03/06/07 16:11
Barium	A	54	0.10		mg/Kg	1	03/07/07 17:46
Cadmium	A	0.32	0.10		mg/Kg	1	03/06/07 16:11
Chromium	A	12	0.15		mg/Kg	1	03/06/07 16:11
Lead	A	62	0.38		mg/Kg	1	03/06/07 16:11
Selenium	A	ND	1.5		mg/Kg	1	03/06/07 16:11
Silver	A	ND	0.50		mg/Kg	1	03/06/07 16:11

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.037		mg/Kg	1	03/07/07 12:41



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-135-030507 (1-3')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-05  
**Collection Date:** 03/05/07 10:45  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1254	A	0.32	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/12/07 14:57
Total PCB's	A	0.32	0.033		mg/Kg	1	03/12/07 14:57
Surr: Tetrachloro-m-xylene	S	70.1	5-165	%REC	1	03/12/07 14:57	
Surr: Decachlorobiphenyl	S	85.1	5-222	%REC	1	03/12/07 14:57	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	7.6	0.45		mg/Kg	1	03/06/07 16:17
Barium	A	56	0.089		mg/Kg	1	03/07/07 17:51
Cadmium	A	0.68	0.089		mg/Kg	1	03/06/07 16:17
Chromium	A	27	0.13		mg/Kg	1	03/06/07 16:17
Lead	A	130	0.33		mg/Kg	1	03/06/07 16:17
Selenium	A	ND	1.3		mg/Kg	1	03/06/07 16:17
Silver	A	ND	0.45		mg/Kg	1	03/06/07 16:17

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	0.16	0.031		mg/Kg	1	03/07/07 12:42



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-136-030507 (1-2')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-06  
**Collection Date:** 03/05/07 11:30  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Total PCB's	A	ND	0.033		mg/Kg	1	03/10/07 23:09
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/10/07 23:09
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/10/07 23:09

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	5.5	0.48		mg/Kg	1	03/06/07 16:22
Barium	A	55	0.095		mg/Kg	1	03/07/07 17:57
Cadmium	A	4.3	0.095		mg/Kg	1	03/06/07 16:22
Chromium	A	14	0.14		mg/Kg	1	03/06/07 16:22
Lead	A	120	0.36		mg/Kg	1	03/06/07 16:22
Selenium	A	ND	1.4		mg/Kg	1	03/06/07 16:22
Silver	A	0.51	0.48		mg/Kg	1	03/06/07 16:22

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	0.052	0.035		mg/Kg	1	03/07/07 12:44



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-137-030507 (1-1.5')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-07  
**Collection Date:** 03/05/07 12:40  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Total PCB's	A	ND	0.033		mg/Kg	1	03/10/07 23:42
Surr: Tetrachloro-m-xylene	S	120	5-165		%REC	1	03/10/07 23:42
Surr: Decachlorobiphenyl	S	90.1	5-222		%REC	1	03/10/07 23:42

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	3.3	0.50		mg/Kg	1	03/06/07 16:28
Barium	A	12	0.099		mg/Kg	1	03/07/07 18:02
Cadmium	A	1.9	0.099		mg/Kg	1	03/06/07 16:28
Chromium	A	24	0.15		mg/Kg	1	03/06/07 16:28
Lead	A	35	0.37		mg/Kg	1	03/06/07 16:28
Selenium	A	ND	1.5		mg/Kg	1	03/06/07 16:28
Silver	A	ND	0.50		mg/Kg	1	03/06/07 16:28

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.035		mg/Kg	1	03/07/07 12:45



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-138-030507 (1-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-08  
**Collection Date:** 03/05/07 13:20  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Total PCB's	A	ND	0.033		mg/Kg	1	03/11/07 05:12
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/11/07 05:12
Surr: Decachlorobiphenyl	S	65.1	5-222		%REC	1	03/11/07 05:12

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	3.2	0.48		mg/Kg	1	03/06/07 16:34
Barium	A	43	0.096		mg/Kg	1	03/07/07 18:08
Cadmium	A	0.43	0.096		mg/Kg	1	03/06/07 16:34
Chromium	A	9.2	0.14		mg/Kg	1	03/06/07 16:34
Lead	A	17	0.36		mg/Kg	1	03/06/07 16:34
Selenium	A	ND	1.4		mg/Kg	1	03/06/07 16:34
Silver	A	ND	0.48		mg/Kg	1	03/06/07 16:34

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.035		mg/Kg	1	03/07/07 12:47



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-139-030507 (1-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-09  
**Collection Date:** 03/05/07 14:00  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Total PCB's	A	ND	0.033		mg/Kg	1	03/11/07 00:15
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/11/07 00:15
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/11/07 00:15

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	4.7	0.50		mg/Kg	1	03/06/07 17:00
Barium	A	20	0.10		mg/Kg	1	03/07/07 18:13
Cadmium	A	0.36	0.10		mg/Kg	1	03/06/07 17:00
Chromium	A	7.1	0.15		mg/Kg	1	03/06/07 17:00
Lead	A	9.2	0.38		mg/Kg	1	03/06/07 17:00
Selenium	A	ND	1.5		mg/Kg	1	03/06/07 17:00
Silver	A	ND	0.50		mg/Kg	1	03/06/07 17:00

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/07/07 12:51



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-140-030507 (1-5')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-10  
**Collection Date:** 03/05/07 14:30  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Total PCB's	A	ND	0.033		mg/Kg	1	03/11/07 00:47
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/11/07 00:47
Surr: Decachlorobiphenyl	S	70.1	5-222		%REC	1	03/11/07 00:47

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	4.2	0.46		mg/Kg	1	03/06/07 17:06
Barium	A	45	0.093		mg/Kg	1	03/07/07 18:19
Cadmium	A	ND	0.093		mg/Kg	1	03/06/07 17:06
Chromium	A	11	0.14		mg/Kg	1	03/06/07 17:06
Lead	A	16	0.35		mg/Kg	1	03/06/07 17:06
Selenium	A	ND	1.4		mg/Kg	1	03/06/07 17:06
Silver	A	ND	0.46		mg/Kg	1	03/06/07 17:06

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.034		mg/Kg	1	03/07/07 12:52



## ANALYTICAL RESULTS

Date: Monday, March 12, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-141-030507 (1-7')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703109-11  
**Collection Date:** 03/05/07 15:30  
**Date Received:** 03/05/07 17:42

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Total PCB's	A	ND	0.033		mg/Kg	1	03/11/07 01:20
Surr: Tetrachloro-m-xylene	S	145	5-165	%REC	1	03/11/07 01:20	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/11/07 01:20	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/06/07 09:40 Analyst: AC			
Arsenic	A	5.0	0.41		mg/Kg	1	03/06/07 17:11
Barium	A	37	0.083		mg/Kg	1	03/07/07 18:46
Cadmium	A	ND	0.083		mg/Kg	1	03/06/07 17:11
Chromium	A	7.9	0.12		mg/Kg	1	03/06/07 17:11
Lead	A	10	0.31		mg/Kg	1	03/06/07 17:11
Selenium	A	ND	1.2		mg/Kg	1	03/06/07 17:11
Silver	A	ND	0.41		mg/Kg	1	03/06/07 17:11

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/06/07 10:30 Analyst: SA			
Mercury	A	ND	0.032		mg/Kg	1	03/07/07 12:54



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

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## COOLER INSPECTION

Date: Monday, March 12, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703109**

Checklist completed by SM | 3/5/2007 5:58:20 PM

Date / Time Received: **3/5/2007 5:42:00 PM**

Received by: SM

Reviewed by RM | 3/6/2007 8:12:28 AM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No

Not Present

Custody seals intact on shipping container/cooler?

Yes

No

Not Present

Custody seals intact on sample bottles?

Yes

No

Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 2 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703109-01A	B-131-030207 (4-10)	
ME0703109-02A	B-132-030507 (1-2')	
ME0703109-03A	B-133-030507 (1-2')	
ME0703109-04A	B-134-030507 (1-6')	
ME0703109-05A	B-135-030507 (1-3')	
ME0703109-06A	B-136-030507 (1-2')	
ME0703109-07A	B-137-030507 (1-1.5')	
ME0703109-08A	B-138-030507 (1-6')	Limited Sample
ME0703109-09A	B-139-030507 (1-6')	
ME0703109-10A	B-140-030507 (1-5')	
ME0703109-11A	B-141-030507 (1-7')	

## Microbac Laboratories, Inc.

Date: 12-Mar-07

CLIENT: Environmental Quality Management, Inc.

Work Order: ME0703109

Project: Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50391

Sample ID:	MB070306-4	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/6/2007 9:40:00 AM	Run ID:	ICP-2_070306A		
Client ID:	zzzzz	Batch ID:	50391	TestNo:	SW6010B			Analysis Date:	3/6/2007 3:44:00 PM	SeqNo:	1479130		
Analyte				PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		Result	ND	0.50									
Cadmium			ND	0.10									J
Chromium			0.095	0.15									J
Lead		Result	ND	0.38									
Selenium			0.105	1.5									J
Silver			ND	0.50									
Sample ID:	MB070306-4	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/6/2007 9:40:00 AM	Run ID:	ICP-2_070307A		
Client ID:	zzzzz	Batch ID:	50391	TestNo:	SW6010B			Analysis Date:	3/7/2007 1:00:00 PM	SeqNo:	1479393		
Analyte				PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		Result	ND	0.50									
Barium			0.025	0.10									J
Cadmium			ND	0.10									J
Chromium		Result	0.05	0.15									J
Lead			ND	0.38									
Selenium			0.78	1.5									J
Sample ID:	MB070306-4	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/6/2007 9:40:00 AM	Run ID:	ICP-2_070307B		
Client ID:	zzzzz	Batch ID:	50391	TestNo:	SW6010B			Analysis Date:	3/7/2007 3:53:00 PM	SeqNo:	1479808		
Analyte				PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium		Result	0.045	0.15									J
Sample ID:	ME0703109-11AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/6/2007 9:40:00 AM	Run ID:	ICP-2_070306A		
Client ID:	B-141-030507 (1-7)	Batch ID:	50391	TestNo:	SW6010B			Analysis Date:	3/6/2007 5:17:00 PM	SeqNo:	1479145		
Analyte				PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		Result	95.81	0.45	89.05	4.996	102	75	125	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit

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B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703109  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50391

Sample ID: ME0703109-11AMS		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 9:40:00 AM			Run ID: ICP-2_070306A			
Client ID: B-141-030507 (1-7)		Batch ID: 50391	TestNo: SW6010B		Analysis Date: 3/6/2007 5:17:00 PM			SeqNo: 1479145			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	7.979	0.089	8.905	0.07025	88.8	75	125	0	0	0	
Chromium	98.58	0.13	89.05	7.876	102	75	125	0	0	0	b
Lead	88.47	0.33	89.05	10.4	87.7	75	125	0	0	0	
Selenium	76.31	1.3	89.05	0	85.7	75	125	0	0	0	
Silver	8.825	0.45	8.905	0	99.1	75	125	0	0	0	b
Sample ID: ME0703076-01AMS		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 9:40:00 AM			Run ID: ICP-2_070307A			
Client ID: ZZZZZ		Batch ID: 50391	TestNo: SW6010B		Analysis Date: 3/7/2007 1:16:00 PM			SeqNo: 1479396			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	96.63	0.50	99.01	0	97.6	75	125	0	0	0	
Barium	117.7	0.099	108.9	11.54	97.4	75	125	0	0	0	b
Cadmium	8.624	0.099	9.901	0.02404	86.9	75	125	0	0	0	
Lead	84.26	0.37	99.01	0.5	84.6	75	125	0	0	0	
Selenium	97.97	1.5	99.01	0.4567	98.5	75	125	0	0	0	b
Sample ID: ME0703109-11AMS		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 9:40:00 AM			Run ID: ICP-2_070307B			
Client ID: B-141-030507 (1-7)		Batch ID: 50391	TestNo: SW6010B		Analysis Date: 3/7/2007 6:51:00 PM			SeqNo: 1480064			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	140.4	0.089	97.95	37.39	105	75	125	0	0	0	b
Sample ID: ME0703109-11AMSD		SampType: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/6/2007 9:40:00 AM			Run ID: ICP-2_070306A			
Client ID: B-141-030507 (1-7)		Batch ID: 50391	TestNo: SW6010B		Analysis Date: 3/6/2007 5:22:00 PM			SeqNo: 1479146			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	88.27	0.40	80.65	4.996	103	75	125	95.81	8.20	20	
Cadmium	7.452	0.081	8.065	0.07025	91.5	75	125	7.979	6.83	20	
Chromium	91.49	0.12	80.65	7.876	104	75	125	98.58	7.45	20	b
Lead	80.16	0.30	80.65	10.4	86.5	75	125	88.47	9.85	20	
Selenium	70.4	1.2	80.65	0	87.3	75	125	76.31	8.06	20	b

Qualifiers: ND - Not Detected at the Reporting Limit

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b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703109  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50391

Sample ID: ME0703109-11AMSD SampType: MSD		TestCode: 6010S		Units: mg/Kg		Prep Date: 3/6/2007 9:40:00 AM		Run ID: ICP-2_070306A			
Client ID: B-141-030507 (1-7)		Batch ID: 50391		TestNo: SW6010B		Analysis Date: 3/6/2007 5:22:00 PM		SeqNo: 1479146			
Analyte		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	Result	8.125	0.40	8.065	0	101	75	125	8.825	8.25	20
<b>Sample ID: ME0703076-01AMSD SampType: MSD</b>											
Client ID: ZZZZZ		Batch ID: 50391		TestCode: 6010S		Units: mg/Kg		Prep Date: 3/6/2007 9:40:00 AM		Run ID: ICP-2_070307A	
Analyte		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	Result	97.35	0.50	100	0	97.4	75	125	96.63	0.739	20
Barium		117.2	0.10	110	11.54	96.1	75	125	117.7	0.403	20
Cadmium		8.68	0.10	10	0.02404	86.6	75	125	8.624	0.650	20
Lead		83.8	0.38	100	0.5	83.3	75	125	84.26	0.544	20
Selenium		97.05	1.5	100	0.4567	96.6	75	125	97.97	0.944	20
<b>Sample ID: ME0703109-11AMSD SampType: MSD</b>											
Client ID: B-141-030507 (1-7)		Batch ID: 50391		TestCode: 6010S		Units: mg/Kg		Prep Date: 3/6/2007 9:40:00 AM		Run ID: ICP-2_070307B	
Analyte		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	Result	125.7	0.081	88.71	37.39	99.5	75	125	140.4	11.1	20
<b>Sample ID: LCS070306-4</b>											
Client ID: ZZZZZ		SampType: LCS2		TestCode: 6010S		Units: mg/Kg		Prep Date: 3/6/2007 9:40:00 AM		Run ID: ICP-2_070306A	
Client ID: ZZZZZ		Batch ID: 50391		TestNo: SW6010B		Analysis Date: 3/6/2007 3:49:00 PM		SeqNo: 1479131			
Analyte		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	Result	127.8	1.0	132	0	96.8	80.3	119	0	0	0
Cadmium		64.8	0.20	66.5	0	97.4	82.1	118	0	0	b
Chromium		69.77	0.30	72.9	0	95.7	79.3	121	0	0	b
Lead		119.2	0.75	130	0	91.7	81.5	118	0	0	b
Selenium		140.8	3.0	161	0	87.5	77.6	122	0	0	b
Silver		100.3	1.0	101	0	99.3	66.2	134	0	0	b

**Qualifiers:** ND - Not Detected at the Reporting Limit

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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703109  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50391

Sample ID:	LCS070306-4	SampType:	LCS2	TestCode:	6010S	Units:	mg/Kg	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID:	zzzzz	Batch ID:	50391	TestNo:	SW6010B									
Analyte		Result	PQL	SPK value	SPK Ref Val									
Arsenic		123.6	1.0	132	0		93.6	80.3	119	0	0	0	0	
Barium		297.8	0.20	31.9	0		93.4	82.8	117	0	0	0	0	
Cadmium		61.3	0.20	66.5	0		92.2	82.1	118	0	0	0	0	
Chromium		64.24	0.30	72.9	0		88.1	79.3	121	0	0	0	b	
Lead		120.3	0.75	130	0		92.5	81.5	118	0	0	0	0	
Selenium		150.7	3.0	161	0		93.6	77.6	122	0	0	0	b	
Sample ID:	LCS070306-4	SampType:	LCS2	TestCode:	6010S	Units:	mg/Kg	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID:	zzzzz	Batch ID:	50391	TestNo:	SW6010B									
Analyte		Result	PQL	SPK value	SPK Ref Val									
Chromium		71.23	0.30	72.9	0		97.7	79.3	121	0	0	0	b	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**S - Spike Recovery outside accepted recovery limits**  
**R - RPD outside accepted recovery limits**  
**H - Analyte detected above reporting limit in the Method Blank**  
**b - Analyte detected below reporting limit in the Method Blank**

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703109  
**Project:** Ingwersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50394

Sample ID: MB070306-6		SampType: MBLK		TestCode: HG_S		Units: mg/Kg		Prep Date: 3/6/2007 10:30:00 AM		Run ID: CVAA_070307A		
Client ID: ZZZZZ		Batch ID: 50394		TestNo: SW7471A				Analysis Date: 3/7/2007 12:34:00 PM		SeqNo: 1479544		
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	ND	0.0010										
Sample ID: ME0703109-11AMSD	SampType: MSD	TestCode: HG_S	Units: mg/Kg									
Client ID: B-141-030507 (1-7)	Batch ID: 50394	TestNo: SW7471A										
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.07375	0.031	0.0625	0.01313	0.01313	97	70	130	0	0	0	
Sample ID: ME0703109-11AMSD	SampType: MSD	TestCode: HG_S	Units: mg/Kg									
Client ID: B-141-030507 (1-7)	Batch ID: 50394	TestNo: SW7471A										
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.06975	0.031	0.06173	0.01313	0.01313	91.7	70	130	0.07375	5.57	20	
Sample ID: LCS070306-6	SampType: LCS2	TestCode: HG_S	Units: mg/Kg									
Client ID: ZZZZZ	Batch ID: 50394	TestNo: SW7471A										
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	9.72	2.0	8.28	0	0	117	66.1	133	0	0	0	

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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703109  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50531

Sample ID: bk-1-030907		SampType: mbIk	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/10/2007 7:19:00 PM			SeqNo: 1482284			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.033									
Aroclor 1221	ND	0.033									
Aroclor 1232	ND	0.033									
Aroclor 1242	ND	0.033									
Aroclor 1248	ND	0.033									
Aroclor 1254	ND	0.033									
Aroclor 1260	ND	0.033									
Aroclor 1262	ND	0.033									
Aroclor 1268	ND	0.033									
Total PCBs	ND	0.033									
Sur: Tetrachloro-m-xylene	0.005333	0	0.00666	0	80.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006333	0	0.00666	0	95.1	5	222	0	0	0	
Sample ID: lcs-1-030907		SampType: lcs	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/10/2007 7:52:00 PM			SeqNo: 1482285			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.1599	0.033	0.1667	0	96	51.7	133	0	0	0	
Aroclor 1260	0.1861	0.033	0.1667	0	112	36.8	136	0	0	0	
Sur: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006667	0	0.00666	0	100	5	222	0	0	0	
Sample ID: me0703109-08ams		SampType: ms	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: B-138-030507 (1-6)		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/11/2007 4:07:00 AM			SeqNo: 1482295			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.01713	0.033	0.1667	0	10.3	10	133	0	0	0	J
Aroclor 1260	0.0728	0.033	0.1667	0	43.7	16.2	138	0	0	0	
Sur: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.004667	0	0.00666	0	70.1	5	222	0	0	0	

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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703109  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50531

Sample ID:	me0703109-08amsd	SampType:	msd	TestCode:	8081pcb_s	Units:	mg/Kg	Prep Date:	3/9/2007 8:22:00 AM	Run ID:	ECD-2_070310A	
Client ID:	B-138-030507 (1-6')	Batch ID:	50531	TestNo:	SW8082			Analysis Date:	3/11/2007 4:39:00 AM	SeqNo:	1482296	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		0.0115	0.0030	0.1667	0	6.9	10	133	0.01713	39.3	60.3	S
Aroclor 1260		0.04447	0.0033	0.1667	0	26.7	16.2	138	0.0728	48.3	21.2	R
Sur: Tetrachloro-m-xylene		0.003333	0	0.006666	0	50.1	5	165	0	0	0	
Sur: Decachlorobiphenyl		0.004	0	0.006666	0	60.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

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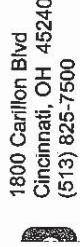
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1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

ME0703109 EQM - CINCINNATI

**ME0703109 EQM**  
Ingersoll / Chicago, IL  
Aaron Roski

RM

# **Environmental Quality Management, Inc.**

## **Chain of Custody Record**

COC Tracking: EQ-10177

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File



March 13, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703160

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 5 samples on 3/6/2007 6:25:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Ronald J. Misiunas".

Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: *Tuesday, March 13, 2007*

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703160

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703160-01A	B-155-030607 (2-8')		3/6/2007 3:00:00 PM	3/6/2007
ME0703160-02A	B-156A-030607 (2-8')		3/6/2007 3:15:00 PM	3/6/2007
ME0703160-03A	B-156B-030607 (8-12')		3/6/2007 3:30:00 PM	3/6/2007
ME0703160-04A	B-157-030607 (2-8')		3/6/2007 4:00:00 PM	3/6/2007
ME0703160-05A	B-157-030607 (2-8') DU		3/6/2007 4:00:00 PM	3/6/2007



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-155-030607 (2-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703160-01  
**Collection Date:** 03/06/07 15:00  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
----------	----	--------	----	------	-------	----	----------

PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Total PCB's	A	ND	0.033		mg/Kg	1	03/12/07 23:22
Surr: Tetrachloro-m-xylene	S	95.1	5-165		%REC	1	03/12/07 23:22
Surr: Decachlorobiphenyl	S	70.1	5-222		%REC	1	03/12/07 23:22

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	5.7	0.49		mg/Kg	1	03/07/07 20:01
Barium	A	37	0.098		mg/Kg	1	03/07/07 20:01
Cadmium	A	0.57	0.098		mg/Kg	1	03/07/07 20:01
Chromium	A	13	0.15		mg/Kg	1	03/07/07 20:01
Lead	A	29	0.37		mg/Kg	1	03/07/07 20:01
Selenium	A	ND	1.5		mg/Kg	1	03/07/07 20:01
Silver	A	ND	0.49		mg/Kg	1	03/07/07 20:01

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.035		mg/Kg	1	03/07/07 13:11



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-156A-030607 (2-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703160-02  
**Collection Date:** 03/06/07 15:15  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Total PCB's	A	ND	0.033		mg/Kg	1	03/12/07 23:55
Surr: Tetrachloro-m-xylene	S	55.1	5-165	%REC	1	03/12/07 23:55	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/12/07 23:55	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	9.1	0.48		mg/Kg	1	03/07/07 20:07
Barium	A	63	0.096		mg/Kg	1	03/07/07 20:07
Cadmium	A	1.4	0.096		mg/Kg	1	03/07/07 20:07
Chromium	A	16	0.14		mg/Kg	1	03/07/07 20:07
Lead	A	53	0.36		mg/Kg	1	03/07/07 20:07
Selenium	A	ND	1.4		mg/Kg	1	03/07/07 20:07
Silver	A	ND	0.48		mg/Kg	1	03/07/07 20:07

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.052	0.040		mg/Kg	1	03/09/07 09:25



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-156B-030607 (8-12')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 01:33
Surr: Tetrachloro-m-xylene	S	85.1	5-165	%REC	1	03/13/07 01:33	
Surr: Decachlorobiphenyl	S	85.1	5-222	%REC	1	03/13/07 01:33	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	12	0.44		mg/Kg	1	03/07/07 20:23
Barium	A	35	0.088		mg/Kg	1	03/07/07 20:23
Cadmium	A	1.1	0.088		mg/Kg	1	03/07/07 20:23
Chromium	A	12	0.13		mg/Kg	1	03/07/07 20:23
Lead	A	13	0.33		mg/Kg	1	03/07/07 20:23
Selenium	A	ND	1.3		mg/Kg	1	03/07/07 20:23
Silver	A	ND	0.44		mg/Kg	1	03/07/07 20:23

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.035		mg/Kg	1	03/07/07 13:16



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-157-030607 (2-8')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 02:06
Surr: Tetrachloro-m-xylene	S	60.1	5-165	%REC	1	03/13/07 02:06	
Surr: Decachlorobiphenyl	S	85.1	5-222	%REC	1	03/13/07 02:06	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	6.0	0.50		mg/Kg	1	03/07/07 20:29
Barium	A	46	0.10		mg/Kg	1	03/07/07 20:29
Cadmium	A	0.15	0.10		mg/Kg	1	03/07/07 20:29
Chromium	A	7.4	0.15		mg/Kg	1	03/07/07 20:29
Lead	A	100	0.38		mg/Kg	1	03/07/07 20:29
Selenium	A	ND	1.5		mg/Kg	1	03/07/07 20:29
Silver	A	ND	0.50		mg/Kg	1	03/07/07 20:29

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.10	0.033		mg/Kg	1	03/09/07 09:29



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

<b>Client:</b>	Environmental Quality Management, Inc.
<b>Client Project:</b>	Ingersoll / Chicago, IL
<b>Client Sample ID:</b>	B-157-030607 (2-8') DUP
<b>Sample Description:</b>	
<b>Sample Matrix:</b>	Soil

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 02:39
Surr: Tetrachloro-m-xylene	S	70.1	5-165		%REC	1	03/13/07 02:39
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/13/07 02:39

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	11	0.47		mg/Kg	1	03/07/07 20:34
Barium	A	35	0.093		mg/Kg	1	03/07/07 20:34
Cadmium	A	0.25	0.093		mg/Kg	1	03/07/07 20:34
Chromium	A	9.0	0.14		mg/Kg	1	03/07/07 20:34
Lead	A	14	0.35		mg/Kg	1	03/07/07 20:34
Selenium	A	ND	1.4		mg/Kg	1	03/07/07 20:34
Silver	A	ND	0.47		mg/Kg	1	03/07/07 20:34

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.034		mg/Kg	1	03/07/07 13:19



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			

250 West 84th Drive, Merrillville, IN 46410 TEL.800.536.8379 TEL.219.769.8378 FAX.219.769.1664

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## COOLER INSPECTION

Date: Tuesday, March 13, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703160**

Checklist completed by SM | 3/6/2007 6:50:35 PM

Date / Time Received: **3/6/2007 6:25:00 PM**

Received by: SM

Reviewed by RM | 3/9/2007 8:15:58 AM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No  Not Present

Custody seals intact on shipping container/cooler?

Yes

No  Not Present

Custody seals intact on sample bottles?

Yes

No  Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 2 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703160-01A	B-155-030607 (2-8')	
ME0703160-02A	B-156A-030607 (2-8')	Limited Sample
ME0703160-03A	B-156B-030607 (8-12')	
ME0703160-04A	B-157-030607 (2-8')	
ME0703160-05A	B-157-030607 (2-8') DUP	

# Microbac Laboratories, Inc.

Date: 13-Mar-07

**CLIENT:** Environmental Quality Management, Inc.

**Work Order:** ME0703160

**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50437

Sample ID:	MB070307-3	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B		
Client ID:	zzzzz		Batch ID:	50437	TestNo:	SW6010B		Analysis Date:	3/7/2007 7:45:00 PM	SeqNo:	1480071		
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic			ND	0.50									
Barium			ND	0.10									
Cadmium			ND	0.10									
Chromium			ND	0.15									
Lead			ND	0.38									
Selenium			0.12	1.5									
Silver			ND	0.50									J
Sample ID:	ME0703160-02AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B		
Client ID:	B-156A-030607 (2-8)		Batch ID:	50437	TestNo:	SW6010B		Analysis Date:	3/7/2007 8:12:00 PM	SeqNo:	1480076		
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic			98.29	0.46	92.59	9.13	96.3	75	125	0	0		
Barium			143.3	0.093	101.9	62.98	78.9	75	125	0	0		
Cadmium			9.657	0.093	9.259	1.418	89	75	125	0	0		
Chromium			105.5	0.14	92.59	16.29	96.4	75	125	0	0		
Lead			152.5	0.35	92.59	52.84	108	75	125	0	0		
Selenium			79.81	1.4	92.59	0	86.2	75	125	0	0		
Silver			8.972	0.46	9.259	0	96.9	75	125	0	0		b
Sample ID:	ME0703161-07AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B		
Client ID:	zzzzz		Batch ID:	50437	TestNo:	SW6010B		Analysis Date:	3/7/2007 9:40:00 PM	SeqNo:	1480090		
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic			104.2	0.50	99.01	11.8	93.3	75	125	0	0		
Barium			142.8	0.099	108.9	70.75	66.1	75	125	0	0		S
Cadmium			10.14	0.099	9.901	8.355	18.1	75	125	0	0		S
Chromium			113.8	0.15	99.01	20.92	93.8	75	125	0	0		
Lead			172.8	0.37	99.01	283.6	-112	75	125	0	0		S

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

b - Analyte detected below reporting limit in the Method Blank

b - Analyte detected above reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703160  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50437

Sample ID: ME0703161-07AMSD		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: zzzzz		Batch ID: 50437	TestNo: SW6010B		Analysis Date: 3/7/2007 9:40:00 PM			SeqNo: 1480090			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	89.01	1.5	99.01	0	89.9	75	125	0	0	0	b
Silver	9.45	0.50	9.901	0.23	93.1	75	125	0	0	0	
Sample ID: ME0703160-02AMSD		SampType: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: B-156A-030607 (2-8')		Batch ID: 50437	TestNo: SW6010B		Analysis Date: 3/7/2007 8:18:00 PM			SeqNo: 1480077			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	98.56	0.46	92.59	9.13	96.6	75	125	98.29	0.282	20	
Barium	143.1	0.093	101.9	62.98	78.7	75	125	143.3	0.162	20	
Cadmium	9.574	0.093	9.259	1.418	88.1	75	125	9.657	0.867	20	
Chromium	105.5	0.14	92.59	16.29	96.3	75	125	105.5	0.0439	20	
Lead	122.8	0.35	92.59	52.84	75.6	75	125	152.5	21.5	20	R
Selenium	81.02	1.4	92.59	0	87.5	75	125	79.81	1.50	20	b
Silver	8.935	0.46	9.259	0	96.5	75	125	8.972	0.414	20	
Sample ID: ME0703161-07AMSD		SampType: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: zzzzz		Batch ID: 50437	TestNo: SW6010B		Analysis Date: 3/7/2007 9:45:00 PM			SeqNo: 1480091			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	101	0.49	98.04	11.8	91	75	125	104.2	3.15	20	
Barium	131.5	0.098	107.8	70.75	56.4	75	125	142.8	8.20	20	S
Cadmium	12.17	0.098	9.804	8.355	38.9	75	125	10.14	18.1	20	S
Chromium	100.9	0.15	98.04	20.92	81.6	75	125	113.8	12.0	20	
Lead	208.4	0.37	98.04	28.36	-76.6	75	125	172.8	18.7	20	S
Selenium	82.5	1.5	98.04	0	84.2	75	125	89.01	7.59	20	b
Silver	8.946	0.49	9.804	0.23	88.9	75	125	9.45	5.48	20	
Sample ID: LCS070307-3		SampType: LCS2	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: zzzzz		Batch ID: 50437	TestNo: SW6010B		Analysis Date: 3/7/2007 7:50:00 PM			SeqNo: 1480072			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
b - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703160  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50437

Sample ID:	LCS070307-3	SampType:	LCS2	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B	
Client ID:	zzzzz	Batch ID:	50437	TestNo:	SW6010B			Analysis Date:	3/7/2007 7:50:00 PM	SeqNo:	1480072	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		131.9	1.0	132	0	99.9	80.3	119	0	0	0	
Barium		302.9	0.20	31.9	0	95	82.8	117	0	0	0	
Cadmium		68.55	0.20	66.5	0	103	82.1	118	0	0	0	
Chromium		79.45	0.30	72.9	0	109	79.3	121	0	0	0	
Lead		131.5	0.75	130	0	101	81.5	118	0	0	0	
Selenium		161.2	3.0	161	0	100	77.6	122	0	0	0	
Silver		110.2	1.0	101	0	109	66.2	134	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703160  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50439

Sample ID:	MB070307-5	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/7/2007 8:35:00 AM	Run ID:	CVAAC_070307A	
Client ID:	zzzzz	Batch ID:	50439	TestNo:	SW7471A			Analysis Date:	3/7/2007 1:08:00 PM	SeqNo:	1479569	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual
		ND	0.0010									

**Qualifiers:**  
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R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703160  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50516

Sample ID:	MB070309-3	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A <th></th> <th></th> <th>Analysis Date:</th> <td>3/9/2007 9:22:00 AM</td> <th>SeqNo:</th> <td>1480952</td>			Analysis Date:	3/9/2007 9:22:00 AM	SeqNo:	1480952	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ND	0.0010											
Sample ID:	ME0703160-02AMSD	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	B-156A-030607 (2-8')	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:26:00 AM	SeqNo:	1480955	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1579	0.042	0.08333	0.05202	0.05202	127	70	130	0	0	0	0	
Sample ID:	ME0703161-07AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:33:00 AM	SeqNo:	1480960	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1885	0.041	0.08197	0.191	0.191	-3.04	70	130	0	0	0	0	S
Sample ID:	ME0703217-05AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:52:00 AM	SeqNo:	1480973	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.0918	0.039	0.07812	0.01587	0.01587	97.2	70	130	0	0	0	0	
Sample ID:	ME0703160-02AMSD	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	B-156A-030607 (2-8')	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:28:00 AM	SeqNo:	1480956	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1229	0.042	0.08333	0.05202	0.05202	85.1	70	130	0.1579	24.9	20	R	
Sample ID:	ME0703161-07AMSD	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:35:00 AM	SeqNo:	1480961	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.6492	0.040	0.08065	0.191	0.191	568	70	130	0.1885	110	20	SRE	

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
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 R - RPD outside accepted recovery limits  
 H - Analyte was prepared and/or analyzed outside of the analytical method holding time

**B - Analyte detected above reporting limit in the Method Blank**  
**b - Analyte detected below reporting limit in the Method Blank**

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703160  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50516

Sample ID:	ME0703217-05AMSD	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAAC_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:56:00 AM	SeqNo:	1480976	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		0.0881	0.040	0.07937	0.01587	91	70	130	0.0918	4.12	20	
Sample ID:	LCS070309-3	SampType:	LCS2	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAAC_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 10:28:00 AM	SeqNo:	1480998	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
		9.038	1.9	8.28	0	109	66.1	133	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703160  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50531

Sample ID: bk-1-030907		SampType: mbIk	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/10/2007 7:19:00 PM			SeqNo: 1482284			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.033									
Aroclor 1221	ND	0.033									
Aroclor 1232	ND	0.033									
Aroclor 1242	ND	0.033									
Aroclor 1248	ND	0.033									
Aroclor 1254	ND	0.033									
Aroclor 1260	ND	0.033									
Aroclor 1262	ND	0.033									
Aroclor 1268	ND	0.033									
Total PCBs	ND	0.033									
Sur: Tetrachloro-m-xylene	0.005333	0	0.00666	0	80.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006333	0	0.00666	0	95.1	5	222	0	0	0	
Sample ID: lcs-1-030907		SampType: lcs	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/10/2007 7:52:00 PM			SeqNo: 1482285			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.1599	0.033	0.1667	0	96	51.7	133	0	0	0	
Aroclor 1260	0.1861	0.033	0.1667	0	112	36.8	136	0	0	0	
Sur: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006667	0	0.00666	0	100	5	222	0	0	0	
Sample ID: me0703109-08ams		SampType: ms	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/11/2007 4:07:00 AM			SeqNo: 1482295			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.01713	0.033	0.1667	0	10.3	10	133	0	0	0	J
Aroclor 1260	0.0728	0.033	0.1667	0	43.7	16.2	138	0	0	0	
Sur: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.004667	0	0.00666	0	70.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703160  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50531

Sample ID: me0703160-02amsd		SampType: ms	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070312A			
Client ID: B-156A-030607 (2-8')		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/13/2007 12:27:00 AM			SeqNo: 1482978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.07765	0.033	0.1668	0	46.6	10	133	0	0	0	
Aroclor 1260	0.1114	0.033	0.1668	0	66.8	16.2	138	0	0	0	
Sur: Tetrachloro-m-xylene	0.003669	0	0.006664	0	55.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.009006	0	0.006664	0	135	5	222	0	0	0	
Sample ID: me0703109-08amsd		SampType: msd	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/11/2007 4:39:00 AM			SeqNo: 1482296			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.0115	0.0030	0.1667	0	6.9	10	133	0.01713	39.3	60.3	S
Aroclor 1260	0.04447	0.0033	0.1667	0	26.7	16.2	138	0.0728	48.3	21.2	R
Sur: Tetrachloro-m-xylene	0.003333	0	0.00666	0	50.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.004	0	0.00666	0	60.1	5	222	0	0	0	
Sample ID: me0703160-02amsd		SampType: msd	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070312A			
Client ID: B-156A-030607 (2-8')		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/13/2007 1:00:00 AM			SeqNo: 1482979			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.06847	0.033	0.1667	0	41.1	10	133	0.07765	12.6	60.3	
Aroclor 1260	0.1158	0.033	0.1667	0	69.5	16.2	138	0.1114	3.87	21.2	
Sur: Tetrachloro-m-xylene	0.004667	0	0.00666	0	70.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.01333	0	0.00666	0	200	5	222	0	0	0	

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March 13, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703161

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 14 samples on 3/6/2007 6:25:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

  
Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Tuesday, March 13, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703161

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703161-01A	B-142-030507 (1-6')		3/6/2007 4:00:00 PM	3/6/2007
ME0703161-02A	B-143-030607 (1-2')		3/6/2007 8:00:00 AM	3/6/2007
ME0703161-03A	B-144-030607 (1-3')		3/6/2007 8:30:00 AM	3/6/2007
ME0703161-04A	B-145-030607 (0-6')		3/6/2007 9:00:00 AM	3/6/2007
ME0703161-05A	B-146-030607 (0-6')		3/6/2007 9:30:00 AM	3/6/2007
ME0703161-06A	B-147-030607 (1-8')		3/6/2007 10:00:00 AM	3/6/2007
ME0703161-07A	B-148-030607 (2-6')		3/6/2007 10:30:00 AM	3/6/2007
ME0703161-08A	B-149-030607 (1-5')		3/6/2007 11:30:00 AM	3/6/2007
ME0703161-09A	B-150-030607 (1-5')		3/6/2007 11:55:00 AM	3/6/2007
ME0703161-10A	B-151-030607 (1-8')		3/6/2007 12:25:00 PM	3/6/2007
ME0703161-11A	B-152A-030607 (1-8')		3/6/2007 1:15:00 PM	3/6/2007
ME0703161-12A	B-152B-030607 (10-11')		3/6/2007 1:15:00 PM	3/6/2007
ME0703161-13A	B-153-030607 (1-6')		3/6/2007 1:50:00 PM	3/6/2007
ME0703161-14A	B-154-030607 (1-5')		3/6/2007 2:30:00 PM	3/6/2007



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-142-030507 (1-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-01  
**Collection Date:** 03/05/07 16:00  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 03:12
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/13/07 03:12	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/13/07 03:12	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	6.1	0.49		mg/Kg	1	03/07/07 21:01
Barium	A	39	0.097		mg/Kg	1	03/07/07 21:01
Cadmium	A	0.11	0.097		mg/Kg	1	03/07/07 21:01
Chromium	A	9.2	0.15		mg/Kg	1	03/07/07 21:01
Lead	A	52	0.36		mg/Kg	1	03/07/07 21:01
Selenium	A	ND	1.5		mg/Kg	1	03/07/07 21:01
Silver	A	ND	0.49		mg/Kg	1	03/07/07 21:01

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.036		mg/Kg	1	03/07/07 13:21



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-143-030607 (1-2')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-02  
**Collection Date:** 03/06/07 08:00  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 03:44
Surr: Tetrachloro-m-xylene	S	90.1	5-165		%REC	1	03/13/07 03:44
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/13/07 03:44

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	6.0	0.43		mg/Kg	1	03/07/07 21:07
Barium	A	39	0.087		mg/Kg	1	03/07/07 21:07
Cadmium	A	0.10	0.087		mg/Kg	1	03/07/07 21:07
Chromium	A	13	0.13		mg/Kg	1	03/07/07 21:07
Lead	A	27	0.33		mg/Kg	1	03/07/07 21:07
Selenium	A	ND	1.3		mg/Kg	1	03/07/07 21:07
Silver	A	ND	0.43		mg/Kg	1	03/07/07 21:07

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.037		mg/Kg	1	03/07/07 13:25



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-144-030607 (1-3')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-03  
**Collection Date:** 03/06/07 08:30  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 04:17
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/13/07 04:17
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/13/07 04:17

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	5.2	0.47		mg/Kg	1	03/07/07 21:12
Barium	A	30	0.093		mg/Kg	1	03/07/07 21:12
Cadmium	A	ND	0.093		mg/Kg	1	03/07/07 21:12
Chromium	A	11	0.14		mg/Kg	1	03/07/07 21:12
Lead	A	14	0.35		mg/Kg	1	03/07/07 21:12
Selenium	A	ND	1.4		mg/Kg	1	03/07/07 21:12
Silver	A	ND	0.47		mg/Kg	1	03/07/07 21:12

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/07/07 13:26



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-145-030607 (0-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-04  
**Collection Date:** 03/06/07 09:00  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 08:22 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 04:50
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/13/07 04:50
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/13/07 04:50

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	4.7	0.49		mg/Kg	1	03/07/07 21:18
Barium	A	26	0.097		mg/Kg	1	03/07/07 21:18
Cadmium	A	ND	0.097		mg/Kg	1	03/07/07 21:18
Chromium	A	8.8	0.15		mg/Kg	1	03/07/07 21:18
Lead	A	7.6	0.36		mg/Kg	1	03/07/07 21:18
Selenium	A	ND	1.5		mg/Kg	1	03/07/07 21:18
Silver	A	ND	0.49		mg/Kg	1	03/07/07 21:18

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.036		mg/Kg	1	03/07/07 13:28



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-146-030607 (0-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-05  
**Collection Date:** 03/06/07 09:30  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1254	A	0.10	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 07:01
Total PCB's	A	0.10	0.033		mg/Kg	1	03/13/07 07:01
Surr: Tetrachloro-m-xylene	S	65.1	5-165	%REC	1	03/13/07 07:01	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/13/07 07:01	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	8.5	0.43		mg/Kg	1	03/07/07 21:23
Barium	A	57	0.086		mg/Kg	1	03/07/07 21:23
Cadmium	A	3.1	0.086		mg/Kg	1	03/07/07 21:23
Chromium	A	34	0.13		mg/Kg	1	03/07/07 21:23
Lead	A	120	0.32		mg/Kg	1	03/07/07 21:23
Selenium	A	ND	1.3		mg/Kg	1	03/07/07 21:23
Silver	A	ND	0.43		mg/Kg	1	03/07/07 21:23

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.096	0.036		mg/Kg	1	03/09/07 09:31



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-147-030607 (1-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-06  
**Collection Date:** 03/06/07 10:00  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 07:34
Surr: Tetrachloro-m-xylene	S	70.1	5-165		%REC	1	03/13/07 07:34
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/13/07 07:34

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	4.6	0.48		mg/Kg	1	03/07/07 21:29
Barium	A	43	0.095		mg/Kg	1	03/07/07 21:29
Cadmium	A	ND	0.095		mg/Kg	1	03/07/07 21:29
Chromium	A	11	0.14		mg/Kg	1	03/07/07 21:29
Lead	A	9.6	0.36		mg/Kg	1	03/07/07 21:29
Selenium	A	ND	1.4		mg/Kg	1	03/07/07 21:29
Silver	A	ND	0.48		mg/Kg	1	03/07/07 21:29

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.042		mg/Kg	1	03/07/07 13:31



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-148-030607 (2-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-07  
**Collection Date:** 03/06/07 10:30  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 08:07
Surr: Tetrachloro-m-xylene	S	80.1	5-165		%REC	1	03/13/07 08:07
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/13/07 08:07

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	12	0.50		mg/Kg	1	03/07/07 21:34
Barium	A	71	0.10		mg/Kg	1	03/07/07 21:34
Cadmium	A	8.4	0.10		mg/Kg	1	03/07/07 21:34
Chromium	A	21	0.15		mg/Kg	1	03/07/07 21:34
Lead	A	280	0.38		mg/Kg	1	03/07/07 21:34
Selenium	A	ND	1.5		mg/Kg	1	03/07/07 21:34
Silver	A	ND	0.50		mg/Kg	1	03/07/07 21:34

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.19	0.039		mg/Kg	1	03/09/07 09:32



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-149-030607 (1-5')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-08  
**Collection Date:** 03/06/07 11:30  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 10:50
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/13/07 10:50
Surr: Decachlorobiphenyl	S	70.1	5-222		%REC	1	03/13/07 10:50

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	4.5	0.48		mg/Kg	1	03/07/07 21:51
Barium	A	49	0.096		mg/Kg	1	03/07/07 21:51
Cadmium	A	ND	0.096		mg/Kg	1	03/07/07 21:51
Chromium	A	10	0.14		mg/Kg	1	03/07/07 21:51
Lead	A	9.8	0.36		mg/Kg	1	03/07/07 21:51
Selenium	A	ND	1.4		mg/Kg	1	03/07/07 21:51
Silver	A	ND	0.48		mg/Kg	1	03/07/07 21:51

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.041		mg/Kg	1	03/07/07 13:36



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-150-030607 (1-5')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-09  
**Collection Date:** 03/06/07 11:55  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 11:23
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/13/07 11:23
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/13/07 11:23

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	5.3	0.50		mg/Kg	1	03/07/07 22:18
Barium	A	45	0.10		mg/Kg	1	03/07/07 22:18
Cadmium	A	ND	0.10		mg/Kg	1	03/07/07 22:18
Chromium	A	11	0.15		mg/Kg	1	03/07/07 22:18
Lead	A	7.2	0.38		mg/Kg	1	03/07/07 22:18
Selenium	A	ND	1.5		mg/Kg	1	03/07/07 22:18
Silver	A	ND	0.50		mg/Kg	1	03/07/07 22:18

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.042		mg/Kg	1	03/07/07 13:38



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-151-030607 (1-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-10  
**Collection Date:** 03/06/07 12:25  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 11:54
Surr: Tetrachloro-m-xylene	S	65.1	5-165	%REC	1	03/13/07 11:54	
Surr: Decachlorobiphenyl	S	75.1	5-222	%REC	1	03/13/07 11:54	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	9.0	0.43		mg/Kg	1	03/07/07 22:23
Barium	A	100	0.087		mg/Kg	1	03/07/07 22:23
Cadmium	A	3.4	0.087		mg/Kg	1	03/07/07 22:23
Chromium	A	22	0.13		mg/Kg	1	03/07/07 22:23
Lead	A	67	0.33		mg/Kg	1	03/07/07 22:23
Selenium	A	ND	1.3		mg/Kg	1	03/07/07 22:23
Silver	A	ND	0.43		mg/Kg	1	03/07/07 22:23

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.11	0.039		mg/Kg	1	03/09/07 09:39



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-152A-030607 (1-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-11  
**Collection Date:** 03/06/07 13:15  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 12:27
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/13/07 12:27
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/13/07 12:27

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	9.2	0.46		mg/Kg	1	03/07/07 22:29
Barium	A	49	0.093		mg/Kg	1	03/07/07 22:29
Cadmium	A	0.71	0.093		mg/Kg	1	03/07/07 22:29
Chromium	A	9.9	0.14		mg/Kg	1	03/07/07 22:29
Lead	A	110	0.35		mg/Kg	1	03/07/07 22:29
Selenium	A	ND	1.4		mg/Kg	1	03/07/07 22:29
Silver	A	ND	0.46		mg/Kg	1	03/07/07 22:29

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.045	0.038		mg/Kg	1	03/09/07 09:41



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-152B-030607 (10-11')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-12  
**Collection Date:** 03/06/07 13:15  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 13:00
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/13/07 13:00
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/13/07 13:00

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	5.1	0.45		mg/Kg	1	03/07/07 22:34
Barium	A	11	0.091		mg/Kg	1	03/07/07 22:34
Cadmium	A	ND	0.091		mg/Kg	1	03/07/07 22:34
Chromium	A	8.4	0.14		mg/Kg	1	03/07/07 22:34
Lead	A	7.9	0.34		mg/Kg	1	03/07/07 22:34
Selenium	A	ND	1.4		mg/Kg	1	03/07/07 22:34
Silver	A	ND	0.45		mg/Kg	1	03/07/07 22:34

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.032		mg/Kg	1	03/07/07 13:45



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-153-030607 (1-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-13  
**Collection Date:** 03/06/07 13:50  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 13:33
Surr: Tetrachloro-m-xylene	S	65.1	5-165		%REC	1	03/13/07 13:33
Surr: Decachlorobiphenyl	S	70.1	5-222		%REC	1	03/13/07 13:33

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	4.9	0.42		mg/Kg	1	03/07/07 22:40
Barium	A	7.3	0.084		mg/Kg	1	03/07/07 22:40
Cadmium	A	ND	0.084		mg/Kg	1	03/07/07 22:40
Chromium	A	7.4	0.13		mg/Kg	1	03/07/07 22:40
Lead	A	9.0	0.32		mg/Kg	1	03/07/07 22:40
Selenium	A	ND	1.3		mg/Kg	1	03/07/07 22:40
Silver	A	ND	0.42		mg/Kg	1	03/07/07 22:40

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/07/07 08:35 Analyst: SA			
Mercury	A	ND	0.037		mg/Kg	1	03/07/07 13:46



## ANALYTICAL RESULTS

Date: Tuesday, March 13, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-154-030607 (1-5')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703161-14  
**Collection Date:** 03/06/07 14:30  
**Date Received:** 03/06/07 18:25

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 14:06
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/13/07 14:06
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/13/07 14:06

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/07/07 08:25 Analyst: AC			
Arsenic	A	8.3	0.49		mg/Kg	1	03/07/07 22:45
Barium	A	22	0.097		mg/Kg	1	03/07/07 22:45
Cadmium	A	0.27	0.097		mg/Kg	1	03/07/07 22:45
Chromium	A	8.9	0.15		mg/Kg	1	03/07/07 22:45
Lead	A	34	0.36		mg/Kg	1	03/07/07 22:45
Selenium	A	ND	1.5		mg/Kg	1	03/07/07 22:45
Silver	A	ND	0.49		mg/Kg	1	03/07/07 22:45

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.18	0.037		mg/Kg	1	03/09/07 09:42



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

Date: Tuesday, March 13, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703161**

Checklist completed by SM | 3/6/2007 7:01:37 PM

Date / Time Received: **3/6/2007 6:25:00 PM**

Received by: SM

Reviewed by RM | 3/9/2007 8:14:37 AM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No

Not Present

Custody seals intact on shipping container/cooler?

Yes

No

Not Present

Custody seals intact on sample bottles?

Yes

No

Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 2 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703161-01A	B-142-030507 (1-6')	
ME0703161-02A	B-143-030607 (1-2')	
ME0703161-03A	B-144-030607 (1-3')	
ME0703161-04A	B-145-030607 (0-6')	
ME0703161-05A	B-146-030607 (0-6')	
ME0703161-06A	B-147-030607 (1-8')	
ME0703161-07A	B-148-030607 (2-6')	Limited Sample
ME0703161-08A	B-149-030607 (1-5')	
ME0703161-09A	B-150-030607 (1-5')	
ME0703161-10A	B-151-030607 (1-8')	
ME0703161-11A	B-152A-030607 (1-8')	
ME0703161-12A	B-152B-030607 (10-11')	
ME0703161-13A	B-153-030607 (1-6')	
ME0703161-14A	B-154-030607 (1-5')	

# Microbac Laboratories, Inc.

Date: 13-Mar-07

**CLIENT:** Environmental Quality Management, Inc.

**Work Order:** ME0703161

**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50437

Sample ID:	MB070307-3	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B	
Client ID:	zzzzz	Batch ID:	50437	TestNo:	SW6010B			Analysis Date:	3/7/2007 7:45:00 PM	SeqNo:	1480071	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		ND	0.50									
Barium		ND	0.10									
Cadmium		ND	0.10									
Chromium		ND	0.15									
Lead		ND	0.38									
Selenium		0.12	1.5									
Silver		ND	0.50									
Sample ID:	ME0703160-02AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B	
Client ID:	zzzzz	Batch ID:	50437	TestNo:	SW6010B			Analysis Date:	3/7/2007 8:12:00 PM	SeqNo:	1480076	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		98.29	0.46	92.59	9.13	96.3	75	125	0	0		
Barium		143.3	0.093	101.9	62.98	78.9	75	125	0	0		
Cadmium		9.657	0.093	9.259	1.418	89	75	125	0	0		
Chromium		105.5	0.14	92.59	16.29	96.4	75	125	0	0		
Lead		152.5	0.35	92.59	52.84	108	75	125	0	0		
Selenium		79.81	1.4	92.59	0	86.2	75	125	0	0		
Silver		8.972	0.46	9.259	0	96.9	75	125	0	0		
Sample ID:	ME0703161-07AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B	
Client ID:	B-148-030607 (2-6)	Batch ID:	50437	TestNo:	SW6010B			Analysis Date:	3/7/2007 9:40:00 PM	SeqNo:	1480090	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		104.2	0.50	99.01	11.8	93.3	75	125	0	0		
Barium		142.8	0.099	108.9	70.75	66.1	75	125	0	0		
Cadmium		10.14	0.099	9.901	8.355	18.1	75	125	0	0		
Chromium		113.8	0.15	99.01	20.92	93.8	75	125	0	0		
Lead		172.8	0.37	99.01	283.6	-112	75	125	0	0		

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

b - Analyte detected below reporting limit in the Method Blank

b - Analyte detected above reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50437

Sample ID: ME0703161-07AMS		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: B-148-030607 (2-6)		Batch ID: 50437	TestNo: SW6010B		Analysis Date: 3/7/2007 9:40:00 PM			SeqNo: 1480090			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	89.01	1.5	99.01	0	89.9	75	125	0	0	0	b
Silver	9.45	0.50	9.901	0.23	93.1	75	125	0	0	0	
Sample ID: ME0703160-02AMSD		SampType: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: ZZZZZ	Batch ID: 50437	TestNo: SW6010B			Analysis Date: 3/7/2007 8:18:00 PM			SeqNo: 1480077			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	98.56	0.46	92.59	9.13	96.6	75	125	98.29	0.282	20	
Barium	143.1	0.093	101.9	62.98	78.7	75	125	143.3	0.162	20	
Cadmium	9.574	0.093	9.259	1.418	88.1	75	125	9.657	0.867	20	
Chromium	105.5	0.14	92.59	16.29	96.3	75	125	105.5	0.0439	20	
Lead	122.8	0.35	92.59	52.84	75.6	75	125	152.5	21.5	20	R
Selenium	81.02	1.4	92.59	0	87.5	75	125	79.81	1.50	20	b
Silver	8.935	0.46	9.259	0	96.5	75	125	8.972	0.414	20	
Sample ID: ME0703161-07AMSD		SampType: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: B-148-030607 (2-6)	Batch ID: 50437	TestNo: SW6010B			Analysis Date: 3/7/2007 9:45:00 PM			SeqNo: 1480091			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	101	0.49	98.04	11.8	91	75	125	104.2	3.15	20	
Barium	131.5	0.098	107.8	70.75	56.4	75	125	142.8	8.20	20	S
Cadmium	12.17	0.098	9.804	8.355	38.9	75	125	10.14	18.1	20	S
Chromium	100.9	0.15	98.04	20.92	81.6	75	125	113.8	12.0	20	
Lead	208.4	0.37	98.04	28.36	-76.6	75	125	172.8	18.7	20	S
Selenium	82.5	1.5	98.04	0	84.2	75	125	89.01	7.59	20	b
Silver	8.946	0.49	9.804	0.23	88.9	75	125	9.45	5.48	20	
Sample ID: LCS070307-3		SampType: LCS2	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/7/2007 8:25:00 AM			Run ID: ICP-2_070307B			
Client ID: ZZZZZ	Batch ID: 50437	TestNo: SW6010B			Analysis Date: 3/7/2007 7:50:00 PM			SeqNo: 1480072			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
b - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50437

Sample ID:	LCS070307-3	SampType:	LCS2	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/7/2007 8:25:00 AM	Run ID:	ICP-2_070307B	
Client ID:	zzzzz	Batch ID:	50437	TestNo:	SW6010B			Analysis Date:	3/7/2007 7:50:00 PM	SeqNo:	1480072	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		131.9	1.0	132	0	99.9	80.3	119	0	0	0	
Barium		302.9	0.20	31.9	0	95	82.8	117	0	0	0	
Cadmium		68.55	0.20	66.5	0	103	82.1	118	0	0	0	
Chromium		79.45	0.30	72.9	0	109	79.3	121	0	0	0	
Lead		131.5	0.75	130	0	101	81.5	118	0	0	0	
Selenium		161.2	3.0	161	0	100	77.6	122	0	0	0	
Silver		110.2	1.0	101	0	109	66.2	134	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50439

Sample ID:	MB070307-5	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/7/2007 8:35:00 AM	Run ID:	CVAAC_070307A	
Client ID:	zzzzz	Batch ID:	50439	TestNo:	SW7471A			Analysis Date:	3/7/2007 1:08:00 PM	SeqNo:	1479569	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual
		ND	0.0010									

**Qualifiers:** ND - Not Detected at the Reporting Limit      S - Spike Recovery outside accepted recovery limits      B - Analyte detected above reporting limit in the Method Blank  
J - Analyte detected below quantitation limits      R - RPD outside accepted recovery limits      b - Analyte detected below reporting limit in the Method Blank  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50516

Sample ID:	MB070309-3	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A <th></th> <th></th> <th>Analysis Date:</th> <td>3/9/2007 9:26:00 AM</td> <th>SeqNo:</th> <td>1480955</td>			Analysis Date:	3/9/2007 9:26:00 AM	SeqNo:	1480955	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ND	0.0010											
Sample ID:	ME0703160-02AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:26:00 AM	SeqNo:	1480955	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1579	0.042	0.08333	0.05202	0.05202	127	70	130	0	0	0	0	
Sample ID:	ME0703161-07AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	B-148-030607 (2-6')	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:33:00 AM	SeqNo:	1480960	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1885	0.041	0.08197	0.191	0.191	-3.04	70	130	0	0	0	0	S
Sample ID:	ME0703217-05AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:52:00 AM	SeqNo:	1480973	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.0918	0.039	0.07812	0.01587	0.01587	97.2	70	130	0	0	0	0	
Sample ID:	ME0703160-02AMSD	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:28:00 AM	SeqNo:	1480956	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.1229	0.042	0.08333	0.05202	0.05202	85.1	70	130	0.1579	24.9	20	R	
Sample ID:	ME0703161-07AMSD	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	B-148-030607 (2-6')	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:35:00 AM	SeqNo:	1480961	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.6492	0.040	0.08065	0.191	0.191	568	70	130	0.1885	110	20	SRE	

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 H - Analyte was prepared and/or analyzed outside of the analytical method holding time  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 b - Analyte detected below reporting limit in the Method Blank  
 b - Analyte detected above reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

# ANALYTICAL QC SUMMARY REPORT

BatchID: 50516

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Sample ID: <b>MEU0703217-05AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>HG_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>3/9/2007 7:45:00 AM</b>	Run ID: <b>CVAA_070309A</b>
Client ID: <b>zzzzz</b>	Batch ID: <b>50516</b>	TestNo: <b>SW7471A</b>		Analysis Date: <b>3/9/2007 9:56:00 AM</b>	SeqNo: <b>1480976</b>
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC
	0.0881	0.040	0.07937	0.01587	91
					LowLimit
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual
Analyte					
Mercury	Result	PQL	SPK value	SPK Ref Val	%REC
	9.038	1.9	8.28	0	109
					LowLimit
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits H - Analyte was prepared and/or analyzed outside of the analytical method holding time	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits	B - Analyte detected above reporting limit in the Method Blank b - Analyte detected below reporting limit in the Method Blank
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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50531

Sample ID: bk-1-030907		SampType: mbIk	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/10/2007 7:19:00 PM			SeqNo: 1482284			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.033									
Aroclor 1221	ND	0.033									
Aroclor 1232	ND	0.033									
Aroclor 1242	ND	0.033									
Aroclor 1248	ND	0.033									
Aroclor 1254	ND	0.033									
Aroclor 1260	ND	0.033									
Aroclor 1262	ND	0.033									
Aroclor 1268	ND	0.033									
Total PCBs	ND	0.033									
Sur: Tetrachloro-m-xylene	0.005333	0	0.00666	0	80.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006333	0	0.00666	0	95.1	5	222	0	0	0	
Sample ID: lcs-1-030907		SampType: lcs	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/10/2007 7:52:00 PM			SeqNo: 1482285			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.1599	0.033	0.1667	0	96	51.7	133	0	0	0	
Aroclor 1260	0.1861	0.033	0.1667	0	112	36.8	136	0	0	0	
Sur: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006667	0	0.00666	0	100	5	222	0	0	0	
Sample ID: me0703109-08ams		SampType: ms	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/11/2007 4:07:00 AM			SeqNo: 1482295			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.01713	0.033	0.1667	0	10.3	10	133	0	0	0	J
Aroclor 1260	0.0728	0.033	0.1667	0	43.7	16.2	138	0	0	0	
Sur: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.004667	0	0.00666	0	70.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50531

Sample ID: me0703160-02ams		SampType: ms	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070312A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/13/2007 12:27:00 AM			SeqNo: 1482978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.07765	0.033	0.1668	0	46.6	10	133	0	0	0	
Aroclor 1260	0.1114	0.033	0.1668	0	66.8	16.2	138	0	0	0	
Sur: Tetrachloro-m-xylene	0.003669	0	0.006664	0	55.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.009006	0	0.006664	0	135	5	222	0	0	0	
Sample ID: me0703109-08amsd		SampType: msd	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070310A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/11/2007 4:39:00 AM			SeqNo: 1482296			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.0115	0.0030	0.1667	0	6.9	10	133	0.01713	39.3	60.3	S
Aroclor 1260	0.04447	0.0033	0.1667	0	26.7	16.2	138	0.0728	48.3	21.2	R
Sur: Tetrachloro-m-xylene	0.003333	0	0.00666	0	50.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.004	0	0.00666	0	60.1	5	222	0	0	0	
Sample ID: me0703160-02amsd		SampType: msd	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 8:22:00 AM			Run ID: ECD-2_070312A			
Client ID: zzzzz		Batch ID: 50531	TestNo: SW8082		Analysis Date: 3/13/2007 1:00:00 AM			SeqNo: 1482979			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.06847	0.033	0.1667	0	41.1	10	133	0.07765	12.6	60.3	
Aroclor 1260	0.1158	0.033	0.1667	0	69.5	16.2	138	0.1114	3.87	21.2	
Sur: Tetrachloro-m-xylene	0.004667	0	0.00666	0	70.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.01333	0	0.00666	0	200	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50535

Sample ID: bk-5-030907		SampType: mbIk	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 5:18:00 PM			Run ID: ECD-2_070312A			
Client ID: zzzzz		Batch ID: 50535	TestNo: SW8082		Analysis Date: 3/13/2007 6:28:00 AM			SeqNo: 1482989			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.033									
Aroclor 1221	ND	0.033									
Aroclor 1232	ND	0.033									
Aroclor 1242	ND	0.033									
Aroclor 1248	ND	0.033									
Aroclor 1254	ND	0.033									
Aroclor 1260	ND	0.033									
Aroclor 1262	ND	0.033									
Aroclor 1268	ND	0.033									
Total PCBs	ND	0.033									
Sur: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006333	0	0.00666	0	95.1	5	222	0	0	0	
Sample ID: lcs-5-030907		SampType: lcs	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 5:18:00 PM			Run ID: ECD-2_070312A			
Client ID: zzzzz		Batch ID: 50535	TestNo: SW8082		Analysis Date: 3/13/2007 5:55:00 AM			SeqNo: 1482988			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.15	0.033	0.1667	0	90	51.7	133	0	0	0	
Aroclor 1260	0.1835	0.033	0.1667	0	110	36.8	136	0	0	0	
Sur: Tetrachloro-m-xylene	0.006	0	0.00666	0	90.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.006667	0	0.00666	0	100	5	222	0	0	0	
Sample ID: me0703161-07ams		SampType: ms	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/9/2007 5:18:00 PM			Run ID: ECD-2_070312A			
Client ID: B-148-030607 (2-6)		Batch ID: 50535	TestNo: SW8082		Analysis Date: 3/13/2007 8:39:00 AM			SeqNo: 1483038			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.1068	0.033	0.1664	0	64.2	10	133	0	0	0	
Aroclor 1260	0.1432	0.033	0.1664	0	86	16.2	138	0	0	0	
Sur: Tetrachloro-m-xylene	0.004659	0	0.006649	0	70.1	5	165	0	0	0	
Sur: Decachlorobiphenyl	0.004992	0	0.006649	0	75.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

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R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703161  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50535

Sample ID:	me0703161-07amsd	SampType:	msd	TestCode:	8081pcb_s	Units:	mg/Kg	Prep Date:	3/9/2007 5:18:00 PM	Run ID:	ECD-2_070312A	
Client ID:	B-148-030607 (2-6')	Batch ID:	50535	TestNo:	SW8082			Analysis Date:	3/13/2007 9:12:00 AM	SeqNo:	1483039	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016		0.1254	0.033	0.1664	0	75.4	10	133	0.1068	16.1	60.3	
Aroclor 1260		0.1745	0.033	0.1664	0	105	16.2	138	0.1432	19.7	21.2	
Sur: Tetrachloro-m-xylene		0.004992	0	0.006649	0	75.1	5	165	0	0	0	
Sur: Decachlorobiphenyl		0.005657	0	0.006649	0	85.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

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1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

**Environmental Quality Management, Inc.**  
**Chain of Custody Record**

COC Tracking: **EQ-10179**

Lot No.	Project Name	TESTS									
		Ingersoll /					RCEA West				
Liers/Affiliation: (Print Name and Sign)		Date	Time	Description/Matrix:	Sample Volume / Comments		Lab P.O. No:		No. of Containers		
142 - 030607(1-6)	Jay Rush / Bus Arm Storey	3/13/07	16:00	Soil: 1	-	-	1	X X	1A	1A	
143 - 030607(1-2)		3/13/07	16:00						2A	2A	
144 - 030607(1-3)				83D					3A	3A	
145 - 030607(1-6)				0100					4A	4A	
146 - 030607(2-6)				0130					5A	5A	
147 - 030607(2-8)				1000					6A	6A	
148 - 030607(2-6)				130					7A	7A	
149 - 030607(1-5)				1130					8A	8A	
150 - 030607(1-5)				1155					9A	9A	
151 - 030607(1-8)				1225					10A	10A	
152 A-030607(1-8)				1305					11A	11A	
153 B-030607(2-1)				1330					12A	12A	
154 - 030607(1-5)				1430					13A	13A	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	Date	Time	Time	Ship To:			
<i>Jay Rush</i>	3/13/07	16:00		<i>Jay Rush</i>	3/13/07	16:00					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Time	Time				
<i>Jay Rush</i>	3/13/07	16:00		<i>Jay Rush</i>	3/13/07	16:00					
Reported/QA Requirements:	(EXACT DUE DATE):		10 days	Received by: (Signature)	Date	Time	Airbill Number	Chain of Custody Seal Numbers			
					3/16/07	18:25	20				

ME0703161 EQM - CINCINNATI

Ingersoll / Chicago, IL

Page 29 of 29



March 14, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703217

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 8 samples on 3/7/2007 4:30:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Ronald J. Misiunas". The signature is fluid and cursive, with a distinct flourish at the end.

Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Wednesday, March 14, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703217

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703217-01A	B-158-030707 (1-7')		3/7/2007 9:00:00 AM	3/7/2007
ME0703217-02A	B-159-030707 (2-5')		3/7/2007 10:00:00 AM	3/7/2007
ME0703217-03A	B-160-030707 (2-4)		3/7/2007 10:30:00 AM	3/7/2007
ME0703217-04A	B-161-030707 (2-4')		3/7/2007 11:30:00 AM	3/7/2007
ME0703217-05A	B-162-030707 (2-6')		3/7/2007 12:15:00 PM	3/7/2007
ME0703217-06A	B-163-030707 (4-6')		3/7/2007 12:45:00 PM	3/7/2007
ME0703217-07A	B-164-030707 (4-6')		3/7/2007 1:20:00 PM	3/7/2007
ME0703217-08A	B-165-030707 (2-11')		3/7/2007 2:30:00 PM	3/7/2007



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-158-030707 (1-7')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 16:09
Surr: Tetrachloro-m-xylene	S	100	5-165		%REC	1	03/13/07 16:09
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/13/07 16:09

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	3.7	0.50		mg/Kg	1	03/09/07 14:15
Barium	A	13	0.10		mg/Kg	1	03/09/07 14:15
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 14:15
Chromium	A	7.0	0.15		mg/Kg	1	03/09/07 14:15
Lead	A	6.3	0.38		mg/Kg	1	03/09/07 14:15
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 14:15
Silver	A	ND	0.50		mg/Kg	1	03/09/07 14:15

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.039		mg/Kg	1	03/09/07 09:45



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

<b>Client:</b>	Environmental Quality Management, Inc.
<b>Client Project:</b>	Ingersoll / Chicago, IL
<b>Client Sample ID:</b>	B-159-030707 (2-5')
<b>Sample Description:</b>	
<b>Sample Matrix:</b>	Soil

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 16:33
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/13/07 16:33
Surr: Decachlorobiphenyl	S	85.1	5-222		%REC	1	03/13/07 16:33

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	11	0.50		mg/Kg	1	03/09/07 14:21
Barium	A	26	0.10		mg/Kg	1	03/09/07 14:21
Cadmium	A	0.33	0.10		mg/Kg	1	03/09/07 14:21
Chromium	A	14	0.15		mg/Kg	1	03/09/07 14:21
Lead	A	33	0.38		mg/Kg	1	03/09/07 14:21
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 14:21
Silver	A	ND	0.50		mg/Kg	1	03/09/07 14:21

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.28	0.032		mg/Kg	1	03/09/07 09:46



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

<b>Client:</b>	Environmental Quality Management, Inc.
<b>Client Project:</b>	Ingersoll / Chicago, IL
<b>Client Sample ID:</b>	B-160-030707 (2-4)
<b>Sample Description:</b>	
<b>Sample Matrix:</b>	Soil

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 16:57
Surr: Tetrachloro-m-xylene	S	85.1	5-165		%REC	1	03/13/07 16:57
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/13/07 16:57

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	4.6	0.50		mg/Kg	1	03/09/07 14:26
Barium	A	34	0.10		mg/Kg	1	03/09/07 14:26
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 14:26
Chromium	A	11	0.15		mg/Kg	1	03/09/07 14:26
Lead	A	17	0.38		mg/Kg	1	03/09/07 14:26
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 14:26
Silver	A	ND	0.50		mg/Kg	1	03/09/07 14:26

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.041		mg/Kg	1	03/09/07 09:47



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-161-030707 (2-4')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 17:21
Surr: Tetrachloro-m-xylene	S	70.1	5-165	%REC	1	03/13/07 17:21	
Surr: Decachlorobiphenyl	S	65.1	5-222	%REC	1	03/13/07 17:21	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	5.0	0.50		mg/Kg	1	03/09/07 14:32
Barium	A	80	0.10		mg/Kg	1	03/09/07 14:32
Cadmium	A	2.9	0.10		mg/Kg	1	03/09/07 14:32
Chromium	A	12	0.15		mg/Kg	1	03/09/07 14:32
Lead	A	25	0.38		mg/Kg	1	03/09/07 14:32
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 14:32
Silver	A	ND	0.50		mg/Kg	1	03/09/07 14:32

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.12	0.042		mg/Kg	1	03/09/07 09:49



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-162-030707 (2-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703217-05  
**Collection Date:** 03/07/07 12:15  
**Date Received:** 03/07/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 17:44
Surr: Tetrachloro-m-xylene	S	55.1	5-165		%REC	1	03/13/07 17:44
Surr: Decachlorobiphenyl	S	60.1	5-222		%REC	1	03/13/07 17:44

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	6.7	0.50		mg/Kg	1	03/09/07 14:37
Barium	A	7.7	0.10		mg/Kg	1	03/09/07 14:37
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 14:37
Chromium	A	7.7	0.15		mg/Kg	1	03/09/07 14:37
Lead	A	9.2	0.38		mg/Kg	1	03/09/07 14:37
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 14:37
Silver	A	ND	0.50		mg/Kg	1	03/09/07 14:37

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/09/07 09:50



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-163-030707 (4-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703217-06  
**Collection Date:** 03/07/07 12:45  
**Date Received:** 03/07/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 18:56
Surr: Tetrachloro-m-xylene	S	95.1	5-165		%REC	1	03/13/07 18:56
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/13/07 18:56

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	4.4	0.50		mg/Kg	1	03/09/07 14:54
Barium	A	47	0.10		mg/Kg	1	03/09/07 14:54
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 14:54
Chromium	A	8.6	0.15		mg/Kg	1	03/09/07 14:54
Lead	A	16	0.38		mg/Kg	1	03/09/07 14:54
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 14:54
Silver	A	ND	0.50		mg/Kg	1	03/09/07 14:54

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.040		mg/Kg	1	03/09/07 09:57



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-164-030707 (4-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703217-07  
**Collection Date:** 03/07/07 13:20  
**Date Received:** 03/07/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1254	A	0.35	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 19:20
Total PCB's	A	0.35	0.033		mg/Kg	1	03/13/07 19:20
Surr: Tetrachloro-m-xylene	S	70.1	5-165	%REC	1	03/13/07 19:20	
Surr: Decachlorobiphenyl	S	80.1	5-222	%REC	1	03/13/07 19:20	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	7.7	0.50		mg/Kg	1	03/09/07 15:21
Barium	A	24	0.10		mg/Kg	1	03/09/07 15:21
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 15:21
Chromium	A	8.7	0.15		mg/Kg	1	03/09/07 15:21
Lead	A	12	0.38		mg/Kg	1	03/09/07 15:21
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 15:21
Silver	A	ND	0.50		mg/Kg	1	03/09/07 15:21

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.034		mg/Kg	1	03/09/07 09:59



## ANALYTICAL RESULTS

Date: Wednesday, March 14, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-165-030707 (2-11')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703217-08  
**Collection Date:** 03/07/07 14:30  
**Date Received:** 03/07/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/09/07 17:18 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Total PCB's	A	ND	0.033		mg/Kg	1	03/13/07 19:44
Surr: Tetrachloro-m-xylene	S	70.1	5-165		%REC	1	03/13/07 19:44
Surr: Decachlorobiphenyl	S	60.1	5-222		%REC	1	03/13/07 19:44

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/08/07 01:15 Analyst: AC			
Arsenic	A	4.4		0.50	mg/Kg	1	03/09/07 15:26
Barium	A	14		0.10	mg/Kg	1	03/09/07 15:26
Cadmium	A	ND		0.10	mg/Kg	1	03/09/07 15:26
Chromium	A	7.3		0.15	mg/Kg	1	03/09/07 15:26
Lead	A	7.8		0.38	mg/Kg	1	03/09/07 15:26
Selenium	A	ND		1.5	mg/Kg	1	03/09/07 15:26
Silver	A	ND		0.50	mg/Kg	1	03/09/07 15:26

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.033		mg/Kg	1	03/09/07 10:00



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

Date: Wednesday, March 14, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703217**

Checklist completed by SM | 3/7/2007 5:18:06 PM

Date / Time Received: **3/7/2007 4:30:00 PM**

Received by: SM

Reviewed by KZ | 3/8/2007 11:24:45 AM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No

Not Present

Custody seals intact on shipping container/cooler?

Yes

No

Not Present

Custody seals intact on sample bottles?

Yes

No

Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 2 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703217-01A	B-158-030707 (1-7')	
ME0703217-02A	B-159-030707 (2-5')	
ME0703217-03A	B-160-030707 (2-4)	
ME0703217-04A	B-161-030707 (2-4')	
ME0703217-05A	B-162-030707 (2-6')	Limited Sample
ME0703217-06A	B-163-030707 (4-6')	
ME0703217-07A	B-164-030707 (4-6')	
ME0703217-08A	B-165-030707 (2-11')	

# Microbac Laboratories, Inc.

Date: 14-Mar-07

**CLIENT:** Environmental Quality Management, Inc.

**Work Order:** ME0703217

**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50465

Sample ID:	MB070308-1	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/8/2007 1:15:00 AM	Run ID:	ICP-2_070309A		
Client ID:	zzzzz	Batch ID:	50465	TestNo:	SW6010B			Analysis Date:	3/9/2007 2:05:00 PM	SeqNo:	1482149		
Analyte				PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic				ND	0.50								J
Barium				0.065	0.10								
Cadmium				ND	0.10								
Chromium				0.2	0.15								
Lead				0.105	0.38								J
Selenium				0.3	1.5								J
Silver				ND	0.50								
Sample ID:	ME0703217-05AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/8/2007 1:15:00 AM	Run ID:	ICP-2_070309A		
Client ID:	B-162-030707 (2-6)	Batch ID:	50465	TestNo:	SW6010B			Analysis Date:	3/9/2007 2:43:00 PM	SeqNo:	1482156		
Analyte				PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic				112.2	0.50	100	6.735	105	75	125	0	0	
Barium				104.2	0.10	110	7.665	87.8	75	125	0	0	b
Cadmium				9.18	0.10	10	0.045	91.4	75	125	0	0	
Chromium				102.5	0.15	100	7.705	94.8	75	125	0	0	
Lead				93.3	0.38	100	9.225	84.1	75	125	0	0	b
Selenium				84.65	1.5	100	0	84.6	75	125	0	0	b
Silver				9.905	0.50	10	0	99	75	125	0	0	
Sample ID:	ME0703217-05AMS	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/8/2007 1:15:00 AM	Run ID:	ICP-2_070309A		
Client ID:	B-162-030707 (2-6)	Batch ID:	50465	TestNo:	SW6010B			Analysis Date:	3/9/2007 2:48:00 PM	SeqNo:	1482157		
Analyte				PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic				113.8	0.50	100	6.735	107	75	125	112.2	1.46	20
Barium				103	0.10	110	7.665	86.7	75	125	104.2	1.16	20
Cadmium				9.62	0.10	10	0.045	95.8	75	125	9.18	4.68	20
Chromium				99.7	0.15	100	7.705	92	75	125	102.5	2.77	20
Lead				92.5	0.38	100	9.225	83.3	75	125	93.3	0.861	20

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703217  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50465

Sample ID:	ME0703217-05AMS	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg		Prep Date:	3/8/2007 1:15:00 AM	Run ID:	ICP-2_070309A
Client ID:	B-162-030707 (2-6)	Batch ID:	50465	TestNo:	SW6010B				Analysis Date:	3/9/2007 2:48:00 PM	SeqNo:	1482157
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium		80.45	1.5	100	0	80.4	75	125	84.65	5.09	20	b
Silver		9.565	0.50	10	0	95.7	75	125	9.905	3.49	20	b
Sample ID:	LCS070308-1	SampType:	LCS2	TestCode:	6010S	Units:	mg/Kg		Prep Date:	3/8/2007 1:15:00 AM	Run ID:	ICP-2_070309A
Client ID:	ZZZZZ	Batch ID:	50465	TestNo:	SW6010B				Analysis Date:	3/9/2007 2:10:00 PM	SeqNo:	1482150
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		130.5	1.0	132	0	98.9	80.3	119	0	0	0	
Barium		293.7	0.20	319	0	92.1	82.8	117	0	0	0	b
Cadmium		69.41	0.20	66.5	0	104	82.1	118	0	0	0	
Chromium		71.49	0.30	72.9	0	98.1	79.3	121	0	0	0	b
Lead		126.2	0.75	130	0	97.1	81.5	118	0	0	0	
Selenium		162.5	3.0	161	0	101	77.6	122	0	0	0	b
Silver		111.2	1.0	101	0	110	66.2	134	0	0	0	

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected above reporting limit in the Method Blank
J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	b - Analyte detected below reporting limit in the Method Blank	
H - Analyte was prepared and/or analyzed outside of the analytical method holding time			

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703217  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50516

Sample ID:	MB070309-3	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:22:00 AM	SeqNo:	1480952	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
ND	0.0010											
Sample ID:	ME0703217-05AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	B-162-030707 (2-6')	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:52:00 AM	SeqNo:	1480973	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.0918	0.039	0.07812	0.01587	97.2	70	130	0	0	0	0	0	
Sample ID:	ME0703217-05AMS	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	B-162-030707 (2-6')	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:56:00 AM	SeqNo:	1480976	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
0.0881	0.040	0.07937	0.01587	91	70	130	0.0918	4.12	20			
Sample ID:	LCS070309-3	SampType:	LCS2	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAA_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 10:28:00 AM	SeqNo:	1480998	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
9.038	1.9	8.28	0	109	66.1	133	0	0	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703217  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50535

Sample ID: bk-5-030907		SampType: mblk	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/9/2007 5:18:00 PM		Run ID: ECD-2_070312A				
Client ID: ZZZZZ		Batch ID: 50535	TestNo: SW8082		Analysis Date: 3/13/2007 6:28:00 AM		SeqNo: 1482989				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33									
Aroclor 1221	ND	33									
Aroclor 1232	ND	33									
Aroclor 1242	ND	33									
Aroclor 1248	ND	33									
Aroclor 1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Aroclor 1268	ND	33									
Total PCB's											
Surr: Tetrachloro-m-xylene	5.667	0	6.66	0	85.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	6.333	0	6.66	0	95.1	5	222	0	0	0	
Sample ID: lcs-5-030907		SampType: lcs	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/9/2007 5:18:00 PM		Run ID: ECD-2_070312A				
Client ID: ZZZZZ		Batch ID: 50535	TestNo: SW8082		Analysis Date: 3/13/2007 5:55:00 AM		SeqNo: 1482988				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150	33	166.7	0	90	51.7	133	0	0	0	
Aroclor 1260	183.5	33	166.7	0	110	36.8	136	0	0	0	
Surr: Tetrachloro-m-xylene	6	0	6.66	0	90.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	6.667	0	6.66	0	100	5	222	0	0	0	
Sample ID: me0703217-05ams		SampType: ms	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/9/2007 5:18:00 PM		Run ID: ECD-1_070313A				
Client ID: B-162-030707 (2-6)		Batch ID: 50535	TestNo: SW8082		Analysis Date: 3/13/2007 6:08:00 PM		SeqNo: 1484234				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	141.9	33	166.7	0	85.2	10	133	0	0	0	
Aroclor 1260	137.3	33	166.7	0	82.4	16.2	138	0	0	0	
Surr: Tetrachloro-m-xylene	5	0	6.66	0	75.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	5.333	0	6.66	0	80.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703217  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50535

Sample ID:	me0703217-05amsd	SampType:	msd	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/9/2007 5:18:00 PM	Run ID:	ECD-1_070313A	
Client ID:	B-162-030707 (2-6')	Batch ID:	50535	TestNo:	SW8082			Analysis Date:	3/13/2007 6:32:00 PM	SeqNo:	1484235	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		146.5	33	166.7	0	87.9	10	133	141.9	3.19	60.3	
Aroclor 1260		146.7	33	166.7	0	88	16.2	138	137.3	6.57	21.2	
Surr: Tetrachloro-m-xylene		4.667	0	6.66	0	70.1	5	165	0	0	0	
Surr: Decachlorobiphenyl		5.333	0	6.66	0	80.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

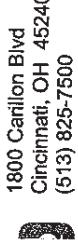
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

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b - Analyte detected below reporting limit in the Method Blank



1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

ME0703217 EQM

**Environmental City Management, Inc.**  
**Chain of Custody Record**

COC Tracking: EQ-10181

Distribution: White - Accompanies Shipment Pink - Project Files Yellow ~ Laboratory File



March 15, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703273

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 12 samples on 3/8/2007 4:30:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

  
Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Thursday, March 15, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703273

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703273-01A	B-166-030707 (2-8')		3/7/2007 3:30:00 PM	3/8/2007
ME0703273-02A	B-167-030707 (0-3')		3/7/2007 4:00:00 PM	3/8/2007
ME0703273-03A	B-168-030807 (1-6')		3/8/2007 8:30:00 AM	3/8/2007
ME0703273-04A	B-169-030807 (6-8')		3/8/2007 9:30:00 AM	3/8/2007
ME0703273-05A	B-170-030807 (1-10')		3/8/2007 10:15:00 AM	3/8/2007
ME0703273-06A	B-171-030807 (1-11')		3/8/2007 11:00:00 AM	3/8/2007
ME0703273-07A	B-172-030807 (2-8')		3/8/2007 12:00:00 PM	3/8/2007
ME0703273-08A	B-173-030807 (2-6')		3/8/2007 1:20:00 PM	3/8/2007
ME0703273-09A	B-174-030807 (0-6')		3/8/2007 2:20:00 PM	3/8/2007
ME0703273-10A	OIL-1-030807		3/8/2007 2:30:00 PM	3/8/2007
ME0703273-11A	B-175-030807 (2-8')		3/8/2007 2:50:00 PM	3/8/2007
ME0703273-12A	OIL-2-030807		3/8/2007 3:15:00 PM	3/8/2007



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-166-030707 (2-8')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Aroclor 1268	A	0.20	0.033		mg/Kg	1	03/15/07 12:00
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 19:35
Surr: Tetrachloro-m-xylene	S	165	5-165	S	%REC	1	03/14/07 19:35
Surr: Decachlorobiphenyl	S	125	5-222		%REC	1	03/14/07 19:35

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	6.6	0.50		mg/Kg	1	03/09/07 15:48
Barium	A	18	0.10		mg/Kg	1	03/09/07 15:48
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 15:48
Chromium	A	7.7	0.15		mg/Kg	1	03/09/07 15:48
Lead	A	14	0.38		mg/Kg	1	03/09/07 15:48
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 15:48
Silver	A	ND	0.50		mg/Kg	1	03/09/07 15:48

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/09/07 10:02



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-167-030707 (0-3')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 20:08
Surr: Tetrachloro-m-xylene	S	100	5-165		%REC	1	03/14/07 20:08
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/14/07 20:08

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	7.8	0.50		mg/Kg	1	03/09/07 15:53
Barium	A	44	0.10		mg/Kg	1	03/09/07 15:53
Cadmium	A	0.44	0.10		mg/Kg	1	03/09/07 15:53
Chromium	A	12	0.15		mg/Kg	1	03/09/07 15:53
Lead	A	62	0.38		mg/Kg	1	03/09/07 15:53
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 15:53
Silver	A	ND	0.50		mg/Kg	1	03/09/07 15:53

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.16	0.042		mg/Kg	1	03/09/07 10:03



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-168-030807 (1-6')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Aroclor 1268	A	0.062	0.033		mg/Kg	1	03/15/07 12:33
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 20:41
Surr: Tetrachloro-m-xylene	S	105	5-165	%REC	1	03/14/07 20:41	
Surr: Decachlorobiphenyl	S	90.1	5-222	%REC	1	03/14/07 20:41	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	9.8	0.50		mg/Kg	1	03/09/07 15:59
Barium	A	1300	0.10		mg/Kg	1	03/09/07 15:59
Cadmium	A	6.3	0.10		mg/Kg	1	03/09/07 15:59
Chromium	A	79	0.15		mg/Kg	1	03/09/07 15:59
Lead	A	680	0.38		mg/Kg	1	03/09/07 15:59
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 15:59
Silver	A	0.79	0.50		mg/Kg	1	03/09/07 15:59

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.033	0.033		mg/Kg	1	03/09/07 10:04



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-169-030807 (6-8')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 21:14
Surr: Tetrachloro-m-xylene	S	95.1	5-165	%REC	1	03/14/07 21:14	
Surr: Decachlorobiphenyl	S	75.1	5-222	%REC	1	03/14/07 21:14	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	6.8	0.50		mg/Kg	1	03/09/07 16:04
Barium	A	9.2	0.10		mg/Kg	1	03/09/07 16:04
Cadmium	A	0.46	0.10		mg/Kg	1	03/09/07 16:04
Chromium	A	3.1	0.15		mg/Kg	1	03/12/07 14:16
Lead	A	20	0.38		mg/Kg	1	03/09/07 16:04
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 16:04
Silver	A	ND	0.50		mg/Kg	1	03/09/07 16:04

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.036		mg/Kg	1	03/09/07 10:06



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-170-030807 (1-10')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 21:46
Surr: Tetrachloro-m-xylene	S	80.1	5-165	%REC	1	03/14/07 21:46	
Surr: Decachlorobiphenyl	S	75.1	5-222	%REC	1	03/14/07 21:46	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	6.4	0.50		mg/Kg	1	03/09/07 16:10
Barium	A	12	0.10		mg/Kg	1	03/09/07 16:10
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 16:10
Chromium	A	8.0	0.15		mg/Kg	1	03/09/07 16:10
Lead	A	8.5	0.38		mg/Kg	1	03/09/07 16:10
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 16:10
Silver	A	ND	0.50		mg/Kg	1	03/09/07 16:10

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.042		mg/Kg	1	03/09/07 10:13



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

<b>Client:</b>	Environmental Quality Management, Inc.						
<b>Client Project:</b>	Ingersoll / Chicago, IL						
<b>Client Sample ID:</b>	B-171-030807 (1-11')						
<b>Sample Description:</b>							
<b>Sample Matrix:</b>	Soil						

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 22:19
Surr: Tetrachloro-m-xylene	S	125	5-165	%REC	1	03/14/07 22:19	
Surr: Decachlorobiphenyl	S	65.1	5-222	%REC	1	03/14/07 22:19	

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	23	0.50		mg/Kg	1	03/09/07 16:15
Barium	A	14	0.10		mg/Kg	1	03/09/07 16:15
Cadmium	A	0.90	0.10		mg/Kg	1	03/09/07 16:15
Chromium	A	8.1	0.15		mg/Kg	1	03/09/07 16:15
Lead	A	16	0.38		mg/Kg	1	03/09/07 16:15
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 16:15
Silver	A	ND	0.50		mg/Kg	1	03/09/07 16:15

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.035		mg/Kg	1	03/09/07 10:14



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-172-030807 (2-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703273-07  
**Collection Date:** 03/08/07 12:00  
**Date Received:** 03/08/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 22:52
Surr: Tetrachloro-m-xylene	S	110	5-165		%REC	1	03/14/07 22:52
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/14/07 22:52

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	5.3	0.50		mg/Kg	1	03/09/07 16:42
Barium	A	25	0.10		mg/Kg	1	03/09/07 16:42
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 16:42
Chromium	A	7.9	0.15		mg/Kg	1	03/09/07 16:42
Lead	A	11	0.38		mg/Kg	1	03/09/07 16:42
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 16:42
Silver	A	ND	0.50		mg/Kg	1	03/09/07 16:42

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/09/07 10:16



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-173-030807 (2-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703273-08  
**Collection Date:** 03/08/07 13:20  
**Date Received:** 03/08/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 23:25
Surr: Tetrachloro-m-xylene	S	65.1	5-165		%REC	1	03/14/07 23:25
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/14/07 23:25

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	8.5	0.50		mg/Kg	1	03/09/07 16:48
Barium	A	13	0.10		mg/Kg	1	03/09/07 16:48
Cadmium	A	0.23	0.10		mg/Kg	1	03/09/07 16:48
Chromium	A	9.0	0.15		mg/Kg	1	03/09/07 16:48
Lead	A	17	0.38		mg/Kg	1	03/09/07 16:48
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 16:48
Silver	A	ND	0.50		mg/Kg	1	03/09/07 16:48

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/09/07 10:17



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-174-030807 (0-6')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703273-09  
**Collection Date:** 03/08/07 14:20  
**Date Received:** 03/08/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Total PCB's	A	ND	0.033		mg/Kg	1	03/14/07 23:58
Surr: Tetrachloro-m-xylene	S	485	5-165	S	%REC	1	03/14/07 23:58
Surr: Decachlorobiphenyl	S	140	5-222		%REC	1	03/14/07 23:58

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	6.4	0.50		mg/Kg	1	03/09/07 16:54
Barium	A	280	0.10		mg/Kg	1	03/09/07 16:54
Cadmium	A	5.4	0.10		mg/Kg	1	03/09/07 16:54
Chromium	A	17	0.15		mg/Kg	1	03/09/07 16:54
Lead	A	1400	0.38		mg/Kg	1	03/09/07 16:54
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 16:54
Silver	A	ND	0.50		mg/Kg	1	03/09/07 16:54

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	0.035	0.034		mg/Kg	1	03/09/07 10:19



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** OIL-1-030807  
**Sample Description:**  
**Sample Matrix:** Oil

**Work Order / ID:** ME0703273-10  
**Collection Date:** 03/08/07 14:30  
**Date Received:** 03/08/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCBS IN OIL	Method: SW8082			Prep Date/Time: 03/13/07 00:00 Analyst: AS			
Aroclor 1016	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1221	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1232	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1242	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1248	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1254	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1260	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1262	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Aroclor 1268	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Total PCB's	A	ND	1.0	mg/kg	1	03/14/07 06:03	
Surr: Tetrachloro-m-xylene	S	70.0	5-163	%REC	1	03/14/07 06:03	
Surr: Decachlorobiphenyl	S	70.0	19.8-152	%REC	1	03/14/07 06:03	



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-175-030807 (2-8')  
**Sample Description:**  
**Sample Matrix:** Soil

**Work Order / ID:** ME0703273-11  
**Collection Date:** 03/08/07 14:50  
**Date Received:** 03/08/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Total PCB's	A	ND	0.033		mg/Kg	1	03/15/07 00:30
Surr: Tetrachloro-m-xylene	S	65.1	5-165		%REC	1	03/15/07 00:30
Surr: Decachlorobiphenyl	S	65.1	5-222		%REC	1	03/15/07 00:30

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/09/07 04:00 Analyst: AC			
Arsenic	A	5.3	0.50		mg/Kg	1	03/09/07 16:59
Barium	A	13	0.10		mg/Kg	1	03/09/07 16:59
Cadmium	A	ND	0.10		mg/Kg	1	03/09/07 16:59
Chromium	A	8.8	0.15		mg/Kg	1	03/09/07 16:59
Lead	A	9.0	0.38		mg/Kg	1	03/09/07 16:59
Selenium	A	ND	1.5		mg/Kg	1	03/09/07 16:59
Silver	A	ND	0.50		mg/Kg	1	03/09/07 16:59

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/09/07 07:45 Analyst: SA			
Mercury	A	ND	0.038		mg/Kg	1	03/09/07 10:20



## ANALYTICAL RESULTS

Date: Thursday, March 15, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** OIL-2-030807  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME0703273-12  
**Collection Date:** 03/08/07 15:15  
**Date Received:** 03/08/07 16:30

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/14/07 08:18 Analyst: MT			
Aroclor 1016	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1221	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1232	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1242	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1248	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1254	A	530	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1260	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1262	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Aroclor 1268	A	ND	66		mg/Kg	2,000	03/15/07 13:39
Total PCB's	A	530	66		mg/Kg	2,000	03/15/07 13:39
Surr: Tetrachloro-m-xylene	S	0	5-165	SD	%REC	2,000	03/15/07 13:39
Surr: Decachlorobiphenyl	S	0	5-222	SD	%REC	2,000	03/15/07 13:39



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

Date: Thursday, March 15, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703273**

Checklist completed by SM | 3/8/2007 5:53:12 PM

Date / Time Received: **3/8/2007 4:30:00 PM**

Received by: SM

Reviewed by RM | 3/10/2007 8:00:23 PM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No

Not Present

Custody seals intact on shipping container/cooler?

Yes

No

Not Present

Custody seals intact on sample bottles?

Yes

No

Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 2 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703273-01A	B-166-030707 (2-8')	
ME0703273-02A	B-167-030707 (0-3')	
ME0703273-03A	B-168-030807 (1-6')	
ME0703273-04A	B-169-030807 (6-8')	
ME0703273-05A	B-170-030807 (1-10')	
ME0703273-06A	B-171-030807 (1-11')	
ME0703273-07A	B-172-030807 (2-8')	
ME0703273-08A	B-173-030807 (2-6')	
ME0703273-09A	B-174-030807 (0-6')	
ME0703273-10A	OIL-1-030807	
ME0703273-11A	B-175-030807 (2-8')	
ME0703273-12A	OIL-2-030807	

## Microbac Laboratories, Inc.

Date: 15-Mar-07

CLIENT: Environmental Quality Management, Inc.

Work Order: ME0703273

Project: Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50516

Sample ID:	MB070309-3	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAAC_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:22:00 AM	SeqNo:	1480952	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	ND	0.0010								0	0	S
Sample ID:	ME0703161-07AMS	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAAC_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 9:35:00 AM	SeqNo:	1480961	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.1885	0.041	0.08197	0.191	-3.04	70	130	0	0	0	0	S
Sample ID:	ME0703161-07AMS	SampType:	LCS2	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAAC_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 10:28:00 AM	SeqNo:	1480998	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.6492	0.040	0.08065	0.191	568	70	130	0.1885	110	20	SRE	
Sample ID:	LCS070309-3	SampType:	PDS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAAC_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 10:31:00 AM	SeqNo:	1481000	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	9.038	1.9	8.28	0	109	66.1	133	0	0	0	0	
Sample ID:	ME0703161-07A	SampType:	PDS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	3/9/2007 7:45:00 AM	Run ID:	CVAAC_070309A	
Client ID:	zzzzz	Batch ID:	50516	TestNo:	SW7471A			Analysis Date:	3/9/2007 10:31:00 AM	SeqNo:	1481000	
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.1004	0.039	0.07812	0.191	-116	85	115	0	0	0	0	S

Qualifiers: ND - Not Detected at the Reporting Limit  
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S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703273  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50517

Sample ID: MB070309-4		SampType: MBLK	TestCode: HG_S	Units: mg/Kg	Prep Date: 3/9/2007 7:45:00 AM	Run ID: CVAAC_070309A						
Client ID: ZZZZZ		Batch ID: 50517	TestNo: SW7471A		Analysis Date: 3/9/2007 10:07:00 AM	SeqNo: 1480984						
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	ND	0.0010										
Sample ID: ME0703273-11AMS	SampType: MS	TestCode: HG_S	Units: mg/Kg			Prep Date: 3/9/2007 7:45:00 AM	Run ID: CVAAC_070309A					
Client ID: B-175-030807 (2-8')	Batch ID: 50517	TestNo: SW7471A				Analysis Date: 3/9/2007 10:21:00 AM	SeqNo: 1480994					
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.08182	0.038	0.07576	0.009242	95.8	95.8	70	130	0	0	0	
Sample ID: ME0703273-11AMS	SampType: MSD	TestCode: HG_S	Units: mg/Kg			Prep Date: 3/9/2007 7:45:00 AM	Run ID: CVAAC_070309A					
Client ID: B-175-030807 (2-8')	Batch ID: 50517	TestNo: SW7471A				Analysis Date: 3/9/2007 10:23:00 AM	SeqNo: 1480995					
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	0.08633	0.039	0.07812	0.009242	98.7	98.7	70	130	0.08182	5.36	20	
Sample ID: LCS070309-4	SampType: LCS2	TestCode: HG_S	Units: mg/Kg			Prep Date: 3/9/2007 7:45:00 AM	Run ID: CVAAC_070309A					
Client ID: ZZZZZ	Batch ID: 50517	TestNo: SW7471A				Analysis Date: 3/9/2007 10:09:00 AM	SeqNo: 1480985					
Analyte	Mercury	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	10.14	2.0	8.28	0	122	66.1	133	0	0	0	0	

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R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703273  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50521

Sample ID: MB070309-1		SampType: MBLK	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/9/2007 4:00:00 AM		Run ID: ICP-2_070309A				
Client ID: ZZZZZ		Batch ID: 50521	TestNo: SW6010B		Analysis Date: 3/9/2007 3:37:00 PM		SeqNo: 1482163				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.50									
Barium	ND	0.10									
Cadmium	ND	0.10									
Chromium	0.32	0.15									
Lead	ND	0.38									
Selenium	0.31	1.5									
Silver	ND	0.50									
Sample ID: MB070309-1		SampType: MBLK	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/9/2007 4:00:00 AM		Run ID: ICP-2_070312A				
Client ID: ZZZZZ		Batch ID: 50521	TestNo: SW6010B		Analysis Date: 3/12/2007 2:11:00 PM		SeqNo: 1482922				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	0.15									
Sample ID: ME0703273-11AMS		SampType: MS	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/9/2007 4:00:00 AM		Run ID: ICP-2_070309A				
Client ID: B-175-030807 (2-8')		Batch ID: 50521	TestNo: SW6010B		Analysis Date: 3/9/2007 5:05:00 PM		SeqNo: 1482177				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102.6	0.50	100	5.32	97.3	75	125	0	0	0	
Barium	112.4	0.10	110	13.29	90.1	75	125	0	0	0	
Cadmium	8.925	0.10	10	0.025	89	75	125	0	0	0	
Chromium	104.6	0.15	100	8.845	95.8	75	125	0	0	0	
Lead	93.05	0.38	100	9.025	84	75	125	0	0	0	
Selenium	87.45	1.5	100	0	87.4	75	125	0	0	0	
Silver	9.465	0.50	10	0	94.6	75	125	0	0	0	
Sample ID: ME0703273-11AMS		SampType: MSD	TestCode: 6010S	Units: mg/Kg	Prep Date: 3/9/2007 4:00:00 AM		Run ID: ICP-2_070309A				
Client ID: B-175-030807 (2-8')		Batch ID: 50521	TestNo: SW6010B		Analysis Date: 3/9/2007 5:10:00 PM		SeqNo: 1482178				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	103.4	0.50	100	5.32	98.1	75	125	102.6	0.776	20	

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**S - Spike Recovery outside accepted recovery limits**  
**R - RPD outside accepted recovery limits**  
**b - Analyte detected above reporting limit in the Method Blank**  
**H - Analyte detected below reporting limit in the Method Blank**

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703273  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50521

		SampType: <b>MSD</b>	TestCode: <b>6010S</b>	Units: <b>mg/Kg</b>	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID:	<b>ME0703273-11AMS</b>										
Client ID:	<b>B-175-030807 (2-8')</b>	Batch ID: <b>50521</b>	TestNo: <b>SW6010B</b>	PQL	SPK value	SPK Ref Val					
Analyte		Result									
Barium	112	0.10	110	13.29	89.8	75	125	112.4	0.356	20	
Cadmium	8.96	0.10	10	0.025	89.4	75	125	8.925	0.391	20	
Chromium	104.4	0.15	100	8.845	95.6	75	125	104.6	0.191	20	
Lead	92.8	0.38	100	9.025	83.8	75	125	93.05	0.269	20	
Selenium	87.45	1.5	100	0	87.4	75	125	87.45	0	20	b
Silver	9.91	0.50	10	0	99.1	75	125	9.465	4.59	20	
Sample ID:	<b>LCS070309-1</b>	SampType: <b>LCS2</b>	TestCode: <b>6010S</b>	Units: <b>mg/Kg</b>	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Client ID:	<b>zzzzz</b>	Batch ID: <b>50521</b>	TestNo: <b>SW6010B</b>	PQL	SPK value	SPK Ref Val					
Analyte		Result									
Arsenic	121.2	1.0	132	0	91.8	80.3	119	0	0	0	
Barium	274.1	0.20	319	0	85.9	82.8	117	0	0	0	
Cadmium	62.35	0.20	66.5	0	93.8	82.1	118	0	0	0	
Chromium	67.63	0.30	72.9	0	92.8	79.3	121	0	0	0	
Lead	112.3	0.75	130	0	86.4	81.5	118	0	0	0	
Selenium	143.5	3.0	161	0	89.1	77.6	122	0	0	0	
Silver	102.6	1.0	101	0	102	66.2	134	0	0	0	b

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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**S - Spike Recovery outside accepted recovery limits**  
**R - RPD outside accepted recovery limits**  
**H - Analyte detected above reporting limit in the Method Blank**  
**b - Analyte detected below reporting limit in the Method Blank**

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703273  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50607

Sample ID: bk-5-031307		SampType: mblk	TestCode: pcb_o	Units: mg/kg	Prep Date: 3/13/2007		Run ID: ECD-1_070313A				
Client ID: zzzzz		Batch ID: 50607	TestNo: SW8082		Analysis Date: 3/14/2007 5:15:00 AM		SeqNo: 1484240				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	1.0									
Aroclor 1242	ND	1.0									
Aroclor 1248	ND	1.0									
Aroclor 1254	ND	1.0									
Aroclor 1260	ND	1.0									
Aroclor 1262	ND	1.0									
Aroclor 1268	ND	1.0									
Surr: Tetrachloro-m-xylene	0.25	0	0.2	0	0	125	5	163	0	0	0
Surr: Decachlorobiphenyl	0.22	0	0.2	0	0	110	19.8	152	0	0	0
Sample ID: lcs-5-031307		SampType: lcs	TestCode: pcb_o	Units: mg/kg	Prep Date: 3/13/2007		Run ID: ECD-1_070313A				
Client ID: zzzzz		Batch ID: 50607	TestNo: SW8082		Analysis Date: 3/14/2007 5:39:00 AM		SeqNo: 1484241				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	5.23	1.0	5	0	105	54	149	0	0	0	
Aroclor 1260	5.174	1.0	5	0	103	59.8	135	0	0	0	
Surr: Tetrachloro-m-xylene	0.27	0	0.2	0	0	135	5	163	0	0	
Surr: Decachlorobiphenyl	0.23	0	0.2	0	0	115	19.8	152	0	0	
Sample ID: me0703273-10ams		SampType: ms	TestCode: pcb_o	Units: mg/kg	Prep Date: 3/13/2007		Run ID: ECD-1_070313A				
Client ID: OIL-1-030807		Batch ID: 50607	TestNo: SW8082		Analysis Date: 3/14/2007 6:27:00 AM		SeqNo: 1484243				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.948	0.96	4.808	0	61.3	10	126	0	0	0	
Aroclor 1260	3.19	0.96	4.808	0	66.4	29.6	132	0	0	0	
Surr: Tetrachloro-m-xylene	0.1635	0	0.1923	0	85	5	163	0	0	0	
Surr: Decachlorobiphenyl	0.1538	0	0.1923	0	80	19.8	152	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
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R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703273  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50607

Sample ID:	me0703273-10amsd	SampType:	msd	TestCode:	pcb_o	Units:	mg/kg	Prep Date:	3/13/2007	Run ID:	ECD-1_070313A	
Client ID:	OIL-1-030807	Batch ID:	50607	TestNo:	SW8082			Analysis Date:	3/14/2007 6:51:00 AM	SeqNo:	1484244	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		2.94	1.0	5	0	58.8	10	126	2.948	0.274	30.1	
Aroclor 1260		3.178	1.0	5	0	63.6	29.6	132	3.19	0.389	23.2	
Surr: Tetrachloro-m-xylene		0.16	0	0.2	0	80	5	163	0	0	0	
Surr: Decachlorobiphenyl		0.16	0	0.2	0	80	19.8	152	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703273  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50642

		SampType: mblk	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/14/2007 8:18:00 AM		Run ID: ECD-2_070314A				
		Batch ID: 50642	TestNo: SW8082		Analysis Date: 3/14/2007 6:29:00 PM		SeqNo: 1485120				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	33									
Aroclor 1221	ND	33									
Aroclor 1232	ND	33									
Aroclor 1242	ND	33									
Aroclor 1248	ND	33									
Aroclor 1254	ND	33									
Aroclor 1260	ND	33									
Aroclor 1262	ND	33									
Aroclor 1268	ND	33									
Total PCB's											
Surr: Tetrachloro-m-xylene	5.667	0	6.66	0	85.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	5.333	0	6.66	0	80.1	5	222	0	0	0	
		SampType: lcs	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/14/2007 8:18:00 AM		Run ID: ECD-2_070314A				
		Batch ID: 50642	TestNo: SW8082		Analysis Date: 3/14/2007 7:02:00 PM		SeqNo: 1485121				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	185.7	33	166.7	0	111	51.7	133	0	0	0	
Aroclor 1260	173.9	33	166.7	0	104	36.8	136	0	0	0	
Surr: Tetrachloro-m-xylene	6	0	6.66	0	90.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	5.333	0	6.66	0	80.1	5	222	0	0	0	
		SampType: ms	TestCode: 8081pcb_s	Units: µg/Kg	Prep Date: 3/14/2007 8:18:00 AM		Run ID: ECD-2_070314A				
		Batch ID: 50642	TestNo: SW8082		Analysis Date: 3/15/2007 1:36:00 AM		SeqNo: 1485141				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	161.9	33	166.8	0	97.1	10	133	0	0	0	
Aroclor 1260	138.5	33	166.8	0	83	16.2	138	0	0	0	
Surr: Tetrachloro-m-xylene	4.003	0	6.664	0	60.1	5	165	0	0	0	
Surr: Decachlorobiphenyl	4.003	0	6.664	0	60.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703273  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50642

Sample ID:	me0703273-05amsd	SampType:	msd	TestCode:	8081pcb_s	Units:	µg/Kg	Prep Date:	3/14/2007 8:18:00 AM	Run ID:	ECD-2_070314A	
Client ID:	B-170-030807 (1-10')	Batch ID:	50642	TestNo:	SW8082			Analysis Date:	3/15/2007 2:09:00 AM	SeqNo:	1485142	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016		144.7	33	166.7	0	86.8	10	133	161.9	11.2	60.3	
Aroclor 1260		152.5	33	166.7	0	91.5	16.2	138	138.5	9.65	21.2	
Surr: Tetrachloro-m-xylene		4.667	0	6.66	0	70.1	5	165	0	0	0	
Surr: Decachlorobiphenyl		5.667	0	6.66	0	85.1	5	222	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank

b - Analyte detected below reporting limit in the Method Blank

1800 Carillon Blvd  
Cincinnati, OH 45240  
(513) 825-7500

**Environmental Quality Management, Inc.**  
**Chain of Custody Record**

COC Tracking: **EQ-10180**

ct No.	Project Name	TESTS												
		No. of Containers			Lab P.O. No:			Sample Volume / Comments			Description/Matrix:			Date
	Ingersoll 11													
166-030807(2-8)	Bob Armstrong/Tay Roski	3/16/07	15D	Soil										MFG 703273
167-030807(0-3)		3/16/07	1600											1A
168-030807(1-6)		3/18/07	0800											2A
169-030807(6-8)		0930												3A
170-030807(1-10)		1015												4A
171-030807(1-11)		1100												5A
172-030807(2-8)		1200												6A
173-030807(2-6)		1300												7A
174-030807(0-6)		1400	✓											8A
011-1-030807		1430	011											9A
011-2-030807(2-8)		1450	Soil											10A
011-2-030807		1515	Soil											11A
														12A
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received by: (Signature)	Ship To:
		3/16/07	1525		3/16/07	1525								1525
Relinquished by: (Signature)		Date	Time	Received by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received by: (Signature)	
		3/16/07	1630											Airbill Number
Reporting/QA Requirements:		Turn Around Time (EXACT DUE DATE):	10 days	Not needed	3/18/07	16:30	2	Report To:	Aaron Roski	Chain of Custody Seal Numbers				

ME0703273 EQM - CINCINNATTI

Ingersoll / Chicago, IL  
Aaron Roski





March 16, 2007

Aaron Roski  
Environmental Quality Management, Inc.  
1800 Carillon Boulevard  
Cincinnati, OH 45240

Work Order No.: ME0703324

RE: Ingersoll / Chicago, IL  
Dear Aaron Roski:

Microbac Laboratories, Inc. received 4 samples on 3/9/2007 for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and Chain of Custody form(s).

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,  
Microbac Laboratories, Inc.

A handwritten signature in black ink, appearing to read "Ronald J. Misiunas". It is positioned above a typed name and title.

Ronald J. Misiunas  
Client Services Manager

Enclosures



## WORK ORDER SAMPLE SUMMARY

Date: Friday, March 16, 2007

**CLIENT:** Environmental Quality Management, Inc.  
**Project:** Ingersoll / Chicago, IL  
**Lab Order:** ME0703324

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0703324-01A	B-176-030807 (2-4)		3/8/2007 3:45:00 PM	3/9/2007
ME0703324-02A	B-177-030907 (2-5)		3/9/2007 7:00:00 AM	3/9/2007
ME0703324-03A	B-178-030907 (3-6)		3/9/2007 7:45:00 AM	3/9/2007
ME0703324-04A	B-179-030907 (2-6)		3/9/2007 8:45:00 AM	3/9/2007



## ANALYTICAL RESULTS

Date: Friday, March 16, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-176-030807 (2-4)  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME0703324-01  
**Collection Date:** 03/08/07 15:45  
**Date Received:** 03/09/07 11:20

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
----------	----	--------	----	------	-------	----	----------

PCB'S	Method: SW8082			Prep Date/Time: 03/16/07 08:16 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Total PCB's	A	ND	0.033		mg/Kg	1	03/16/07 11:42
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/16/07 11:42
Surr: Decachlorobiphenyl	S	70.1	5-222		%REC	1	03/16/07 11:42

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/12/07 07:45 Analyst: AC			
Arsenic	A	3.1	0.44		mg/Kg	1	03/14/07 10:56
Barium	A	38	0.088		mg/Kg	1	03/14/07 10:56
Cadmium	A	ND	0.088		mg/Kg	1	03/14/07 10:56
Chromium	A	9.6	0.13		mg/Kg	1	03/14/07 10:56
Lead	A	24	0.33		mg/Kg	1	03/14/07 10:56
Selenium	A	ND	1.3		mg/Kg	1	03/14/07 10:56
Silver	A	ND	0.44		mg/Kg	1	03/14/07 10:56

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/12/07 10:10 Analyst: SA			
Mercury	A	0.15	0.038		mg/Kg	1	03/13/07 10:37



## ANALYTICAL RESULTS

Date: Friday, March 16, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-177-030907 (2-5)  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME0703324-02  
**Collection Date:** 03/09/07 07:00  
**Date Received:** 03/09/07 11:20

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/16/07 08:16 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Total PCB's	A	ND	0.033		mg/Kg	1	03/16/07 12:06
Surr: Tetrachloro-m-xylene	S	70.1	5-165		%REC	1	03/16/07 12:06
Surr: Decachlorobiphenyl	S	75.1	5-222		%REC	1	03/16/07 12:06

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/12/07 07:45 Analyst: AC			
Arsenic	A	9.3	0.43		mg/Kg	1	03/14/07 11:02
Barium	A	86	0.087		mg/Kg	1	03/14/07 11:02
Cadmium	A	2.0	0.087		mg/Kg	1	03/14/07 11:02
Chromium	A	14	0.13		mg/Kg	1	03/14/07 11:02
Lead	A	43	0.33		mg/Kg	1	03/14/07 11:02
Selenium	A	ND	1.3		mg/Kg	1	03/14/07 11:02
Silver	A	ND	0.43		mg/Kg	1	03/14/07 11:02

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/12/07 10:10 Analyst: SA			
Mercury	A	0.61	0.38		mg/Kg	10	03/13/07 10:53



## ANALYTICAL RESULTS

Date: Friday, March 16, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-178-030907 (3-6)  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME0703324-03  
**Collection Date:** 03/09/07 07:45  
**Date Received:** 03/09/07 11:20

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/16/07 08:16 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Total PCB's	A	ND	0.033		mg/Kg	1	03/16/07 12:30
Surr: Tetrachloro-m-xylene	S	75.1	5-165		%REC	1	03/16/07 12:30
Surr: Decachlorobiphenyl	S	80.1	5-222		%REC	1	03/16/07 12:30

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/12/07 07:45 Analyst: AC			
Arsenic	A	4.8	0.46		mg/Kg	1	03/14/07 11:07
Barium	A	38	0.093		mg/Kg	1	03/14/07 11:07
Cadmium	A	ND	0.093		mg/Kg	1	03/14/07 11:07
Chromium	A	9.3	0.14		mg/Kg	1	03/14/07 11:07
Lead	A	8.6	0.35		mg/Kg	1	03/14/07 11:07
Selenium	A	ND	1.4		mg/Kg	1	03/14/07 11:07
Silver	A	ND	0.46		mg/Kg	1	03/14/07 11:07

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/12/07 10:10 Analyst: SA			
Mercury	A	ND	0.042		mg/Kg	1	03/13/07 10:40



## ANALYTICAL RESULTS

Date: Friday, March 16, 2007

**Client:** Environmental Quality Management, Inc.  
**Client Project:** Ingersoll / Chicago, IL  
**Client Sample ID:** B-179-030907 (2-6)  
**Sample Description:**  
**Sample Matrix:** Solid

**Work Order / ID:** ME0703324-04  
**Collection Date:** 03/09/07 08:45  
**Date Received:** 03/09/07 11:20

Analyses	ST	Result	RL	Qual	Units	DF	Analyzed
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PCB'S	Method: SW8082			Prep Date/Time: 03/16/07 08:16 Analyst: AS			
Aroclor 1016	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1221	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1232	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1242	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1248	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1254	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1260	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1262	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Aroclor 1268	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Total PCB's	A	ND	0.033		mg/Kg	1	03/16/07 12:54
Surr: Tetrachloro-m-xylene	S	90.1	5-165		%REC	1	03/16/07 12:54
Surr: Decachlorobiphenyl	S	65.1	5-222		%REC	1	03/16/07 12:54

TOTAL METALS	Method: SW6010B			Prep Date/Time: 03/12/07 07:45 Analyst: AC			
Arsenic	A	7.6	0.50		mg/Kg	1	03/14/07 11:12
Barium	A	46	0.10		mg/Kg	1	03/14/07 11:12
Cadmium	A	1.6	0.10		mg/Kg	1	03/14/07 11:12
Chromium	A	14	0.15		mg/Kg	1	03/14/07 11:12
Lead	A	23	0.38		mg/Kg	1	03/14/07 11:12
Selenium	A	ND	1.5		mg/Kg	1	03/14/07 11:12
Silver	A	0.54	0.50		mg/Kg	1	03/14/07 11:12

TOTAL METALS	Method: SW7471A			Prep Date/Time: 03/12/07 10:10 Analyst: SA			
Mercury	A	ND	0.034		mg/Kg	1	03/13/07 10:41



#### **FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)**

NA	=	Not Analyzed	N/A	=	Not Applicable
mg/L	=	Milligrams per Liter (ppm)	ug/L	=	Micrograms per Liter (ppb)
mg/Kg	=	Milligrams per Kilogram (ppm)	ug/Kg	=	Micrograms per Kilogram (ppb)
U	=	Undetected	cfu	=	Colony Forming Unit
J	=	Analyte concentration detected between RL and MDL (Metals / Organics)	ng/L	=	Nanograms per Liter (ppt)
B	=	Detected in the associated Method Blank at a concentration above the routine PQL/RL			
b	=	Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL			
D	=	Surrogate recoveries are not calculated due to sample dilution			
ND	=	Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)			
E	=	Value above quantitation range			
H	=	Analyte was prepared and/or analyzed outside of the analytical method holding time			
I	=	Matrix Interference			
R	=	RPD outside accepted recovery limits			
S	=	Spike recovery outside recovery limits			
Surr	=	Surrogate			
DF	=	Dilution Factor	RL	=	Reporting Limit
			ST	=	Sample Type
					MDL = Method Detection Limit

#### **SAMPLE TYPES**

A	=	Analyte
I	=	Internal Standard
S	=	Surrogate
T	=	Tentatively Identified Compound (TIC, concentration estimated)

#### **QC SAMPLE IDENTIFICATIONS**

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and Recovery Standard
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

#### **CERTIFICATIONS**

*Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.*

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #175458)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-02)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-08)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #0061)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

#### **MICROBAC LOCATIONS**

Corporate	-	Wexford, PA	Camp Hill Division	-	Camp Hill, PA
Pittsburgh Division	-	Warrendale, PA	Knoxville Division	-	Maryville, TN
Erie Division	-	Erie, PA / Wilkes-Barre, PA	Venice Division	-	Venice, FL / Fort Myers, FL
New Castle Division	-	New Castle, PA	South Carolina Division	-	New Ellenton, SC
Kentucky Testing Division	-	Louisville, KY / Evansville, IN	Fayetteville Division	-	Fayetteville, NC
Massachusetts Division	-	Marlboro, MA	Southern Testing Division	-	Wilson, NC
Gascoyne Division	-	Baltimore, MD	Hauser Division	-	Boulder, CO
Corona Division	-	Corona, CA	Friend Laboratory	-	Waverly, NY
South Jersey Division	-	Turnersville, NJ			



## COOLER INSPECTION

Date: Friday, March 16, 2007

Client Name **EQM - CINCINNATTI**

Work Order Number **ME0703324**

Checklist completed by DP | 3/9/2007 4:04:10 PM

Date / Time Received:

**3/9/2007**

Received by: DP

Reviewed by RM | 3/10/2007 9:33:47 PM

Carrier name: Microbac

After-Hour Arrival?

Yes

No

Shipping container/cooler in good condition?

Yes

No  Not Present

Custody seals intact on shipping container/cooler?

Yes

No  Not Present

Custody seals intact on sample bottles?

Yes

No  Not Present

Chain of custody present?

Yes

No

Chain of custody included sufficient client identification?

Yes

No

Chain of custody included sufficient sample collector information?

Yes

No

Chain of custody included a sample description?

Yes

No

Chain of custody agrees with sample labels?

Yes

No

Chain of custody identified the appropriate matrix?

Yes

No

Chain of custody included date of collection?

Yes

No

Chain of custody included time of collection?

Yes

No

Chain of custody identified the appropriate number of containers?

Yes

No

Samples in proper container/bottle?

Yes

No

Sample containers intact?

Yes

No

Sufficient sample volume for indicated test?

Yes

No

All samples received within holding time?

Yes

No

Chain of custody identified the appropriate preservatives?

Yes

No

Samples properly preserved?

Yes

No

If No, adjusted by?

Date/Time

Chain of custody included the requested analyses?

Yes  No

Chain of custody signed when relinquished and received?

Yes  No

Samples received on ice?

Yes  No

Container/Temp Blank temperature

Temp: 5 °C

VOA vials have zero headspace?

No VOA vials submitted

Yes

No

**ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.**

General Comments:

Sample ID	Client Sample ID	Comments
ME0703324-01A	B-176-030807 (2-4)	
ME0703324-02A	B-177-030907 (2-5)	
ME0703324-03A	B-178-030907 (3-6)	
ME0703324-04A	B-179-030907 (2-6)	

# Microbac Laboratories, Inc.

Date: 16-Mar-07

**CLIENT:** Environmental Quality Management, Inc.

**Work Order:** ME0703324

**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50553

Sample ID:	MB070312-2	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/12/2007 7:45:00 AM	Run ID:	ICP-2_070312A	
Client ID:	zzzzz	Batch ID:	50553	TestNo:	SW6010B			Analysis Date:	3/12/2007 11:00:00 AM	SeqNo:	1482407	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver		ND	0.50									
Sample ID:	MB070312-2	SampType:	MBLK	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/12/2007 7:45:00 AM	Run ID:	ICP-2_070314A	
Client ID:	zzzzz	Batch ID:	50553	TestNo:	SW6010B			Analysis Date:	3/14/2007 10:20:00 AM	SeqNo:	1484279	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		ND	0.50									
Barium		ND	0.10									
Cadmium		ND	0.10									
Chromium		ND	0.15									
Lead		ND	0.38									
Selenium		ND	1.5									
Silver		ND	0.50									
Sample ID:	MEO703324-04AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	3/12/2007 7:45:00 AM	Run ID:	ICP-2_070314A	
Client ID:	B-179-030907 (2-6)	Batch ID:	50553	TestNo:	SW6010B			Analysis Date:	3/14/2007 11:18:00 AM	SeqNo:	1484287	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		112.4	0.50	100	7.57	105	75	125	0	0	0	
Barium		181	0.10	110	45.58	123	75	125	0	0	0	
Cadmium		16.78	0.10	10	1.575	152	75	125	0	0	0	S
Chromium		120	0.15	100	14.08	106	75	125	0	0	0	
Lead		154	0.38	100	23.24	131	75	125	0	0	0	S
Selenium		89.15	1.5	100	0	89.2	75	125	0	0	0	
Silver		10.14	0.50	10	0.54	96	75	125	0	0	0	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
H - Analyte was prepared and/or analyzed outside of the analytical method holding time

**Comments:** S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits

B - Analyte detected above reporting limit in the Method Blank  
b - Analyte detected below reporting limit in the Method Blank

**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703324  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50553

Sample ID: ME0703324-04AMSD		SampType: MSD		TestCode: 6010S		Units: mg/Kg		Prep Date: 3/12/2007 7:45:00 AM		Run ID: ICP-2_070314A		
Client ID: B-179-030907 (2-6)		Batch ID: 50553		TestNo: SW6010B				Analysis Date: 3/14/2007 11:23:00 AM		SeqNo: 1484288		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	112	0.50	100	7.57	104	75	125	112.4	0.267	20		
Barium	174	0.10	110	45.58	117	75	125	181	3.92	20	S	
Cadmium	19.29	0.10	10	1.575	177	75	125	16.78	13.9	20		
Chromium	121.2	0.15	100	14.08	107	75	125	120	1.04	20		
Lead	143.4	0.38	100	23.24	120	75	125	154	7.16	20		
Selenium	82.75	1.5	100	0	82.8	75	125	89.15	7.45	20		
Silver	9.865	0.50	10	0.54	93.3	75	125	10.14	2.75	20		
Sample ID: LCS070312-2	SampType: LCS2	TestCode: 6010S	Units: mg/Kg									
Client ID: zzzzzz	Batch ID: 50553	TestNo: SW6010B										
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	111.2	1.0	101	0	110	66.2	134	0	0	0		
Sample ID: LCSD070312-2	SampType: LCS2	TestCode: 6010S	Units: mg/Kg									
Client ID: zzzzzz	Batch ID: 50553	TestNo: SW6010B										
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	105.2	1.0	101	0	104	66.2	134	111.2	5.55			
Sample ID: LCS070312-2	SampType: LCS2	TestCode: 6010S	Units: mg/Kg									
Client ID: zzzzzz	Batch ID: 50553	TestNo: SW6010B										
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	140.6	1.0	132	0	107	80.3	119	0	0	0		
Barium	315	0.20	319	0	98.7	82.8	117	0	0	0		
Cadmium	78.31	0.20	66.5	0	118	82.1	118	0	0	0		
Lead	143.9	0.75	130	0	111	81.5	118	0	0	0		
Selenium	175.2	3.0	161	0	109	77.6	122	0	0	0		
Silver	112.7	1.0	101	0	112	66.2	134	0	0	0		

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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703324  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50553

Sample ID:	SampType:	TestCode:	Units:	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: LCS070312-2	SampType: LCS2	TestCode: 6010S	Units: mg/Kg							
Client ID: zzzzz	Batch ID: 50553	TestNo: SW6010B								
Analyte		PQL	SPK value	SPK Ref Val						
Chromium	Result	0.30	72.9	0	114	79.3	121	0	0	J
Sample ID: MB070312-2	SampType: MBLK	TestCode: 6020S	Units: mg/Kg							
Client ID: zzzzz	Batch ID: 50553	TestNo: SW6020A								
Analyte		PQL	SPK value	SPK Ref Val						
Selenium	Result	0.02297	0.25							J
Sample ID: ME0703324-04AMS	SampType: MS	TestCode: 6020S	Units: mg/Kg							
Client ID: B-179-030907 (2-6)	Batch ID: 50553	TestNo: SW6020A								
Analyte		PQL	SPK value	SPK Ref Val						
Selenium	Result	1.0	100	0.1062	80.9	70	130	0	0	
Sample ID: ME0703324-04AMSD	SampType: MSD	TestCode: 6020S	Units: mg/Kg							
Client ID: B-179-030907 (2-6)	Batch ID: 50553	TestNo: SW6020A								
Analyte		PQL	SPK value	SPK Ref Val						
Selenium	Result	79.3	1.0	100	0.1062	79.2	70	130	81.03	
Sample ID: LCS070312-2	SampType: LCS2	TestCode: 6020S	Units: mg/Kg							
Client ID: zzzzz	Batch ID: 50553	TestNo: SW6020A								
Analyte		PQL	SPK value	SPK Ref Val						
Selenium	Result	144.1	2.0	161	0	89.5	77.6	122	0	

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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703324  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50556

Sample ID: MB070312-3		SampType: MBLK		TestCode: HG_S		Units: mg/Kg		Prep Date: 3/12/2007 10:10:00 AM		Run ID: CVAA_070313C	
Client ID: ZZZZZ		Batch ID: 50556		TestNo: SW7471A				Analysis Date: 3/13/2007 10:34:00 AM		SeqNo: 14B3174	
Analyte		Result		PQL SPK value		SPK Ref Val		%REC		LowLimit HighLimit RPD Ref Val	
Mercury		0.000601	0.0010								J
Sample ID: ME0703324-04AMSD		SampType: MS		TestCode: HG_S		Units: mg/Kg		Prep Date: 3/12/2007 10:10:00 AM		Run ID: CVAA_070313C	
Client ID: B-179-030907 (2-6)		Batch ID: 50556		TestNo: SW7471A				Analysis Date: 3/13/2007 10:42:00 AM		SeqNo: 14B3180	
Analyte		Result		PQL SPK value		SPK Ref Val		%REC		LowLimit HighLimit RPD Ref Val	
Mercury		0.09452	0.034	0.06849	0.03226	90.9	70	130	0	0	0
Sample ID: ME0703324-04AMSD		SampType: MSD		TestCode: HG_S		Units: mg/Kg		Prep Date: 3/12/2007 10:10:00 AM		Run ID: CVAA_070313C	
Client ID: B-179-030907 (2-6)		Batch ID: 50556		TestNo: SW7471A				Analysis Date: 3/13/2007 10:44:00 AM		SeqNo: 14B3181	
Analyte		Result		PQL SPK value		SPK Ref Val		%REC		LowLimit HighLimit RPD Ref Val	
Mercury		0.09861	0.035	0.06944	0.03226	95.5	70	130	0.09452	4.24	20
Sample ID: LCS070312-3		SampType: LCS2		TestCode: HG_S		Units: mg/Kg		Prep Date: 3/12/2007 10:10:00 AM		Run ID: CVAA_070313C	
Client ID: ZZZZZ		Batch ID: 50556		TestNo: SW7471A				Analysis Date: 3/13/2007 10:52:00 AM		SeqNo: 14B3186	
Analyte		Result		PQL SPK value		SPK Ref Val		%REC		LowLimit HighLimit RPD Ref Val	
Mercury		8.88	2.0	8.28	0	107	66.1	133	0	0	0

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**CLIENT:** Environmental Quality Management, Inc.  
**Work Order:** ME0703324  
**Project:** Ingersoll / Chicago, IL

## ANALYTICAL QC SUMMARY REPORT

**BatchID:** 50709

Sample ID: bk-1-031607		SampType: mblk	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/16/2007 8:16:00 AM			Run ID: ECD-1_070316A			
Client ID: zzzzz		Batch ID: 50709	TestNo: SW8082		Analysis Date: 3/16/2007 10:54:00 AM			SeqNo: 1486533			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.033									
Aroclor 1221	ND	0.033									
Aroclor 1232	ND	0.033									
Aroclor 1242	ND	0.033									
Aroclor 1248	ND	0.033									
Aroclor 1254	ND	0.033									
Aroclor 1260	ND	0.033									
Aroclor 1262	ND	0.033									
Aroclor 1268	ND	0.033									
Total PCBs	ND	0.033									
Surf: Tetrachloro-m-xylene	0.005667	0	0.00666	0	85.1	5	165	0	0	0	
Surf: Decachlorobiphenyl	0.005667	0	0.00666	0	85.1	5	222	0	0	0	
Sample ID: lcs-1-031607		SampType: lcs	TestCode: 8081pcb_s	Units: mg/Kg	Prep Date: 3/16/2007 8:16:00 AM			Run ID: ECD-1_070316A			
Client ID: zzzzz		Batch ID: 50709	TestNo: SW8082		Analysis Date: 3/16/2007 11:18:00 AM			SeqNo: 1486534			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.1749	0.033	0.1667	0	105	51.7	133	0	0	0	
Aroclor 1260	0.1905	0.033	0.1667	0	114	36.8	136	0	0	0	
Surf: Tetrachloro-m-xylene	0.0006	0	0.00666	0	90.1	5	165	0	0	0	
Surf: Decachlorobiphenyl	0.005667	0	0.00666	0	85.1	5	222	0	0	0	

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ME0703324  
Ingersoll / C  
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8/18/2023

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*Chain of Custody Record*

Tel: 317-872-1375  
Fax: 317-872-1379

*Number* 74691

Client Name <i>VS EPA</i>		Project <i>Tiger Soil</i>	Turnaround Time	Report Type							
Address		Location <input checked="" type="checkbox"/> Routine (7 working days)	<input type="checkbox"/> Results Only	<input type="checkbox"/> Level II							
City, State, Zip		PO #	<input type="checkbox"/> RUSH* (notify lab)	<input type="checkbox"/> Level III CLP-like							
Contact		Compliance Monitoring? <input type="checkbox"/> Yes <input type="checkbox"/> No	(needed by)	<input type="checkbox"/> Level IV CLP-like							
Telephone #		(1) Agency/Program	<input type="checkbox"/> EDD								
Sampled by (PRINT) <i>Jay Rand/B&amp;B Assoc.</i>		Sampler Signature <i>Aaron Ross</i>	Sampler Phone # <i>224-595-1617</i>	Instructions on back							
Send Report via <input type="checkbox"/> Mail <input type="checkbox"/> Telephone <input type="checkbox"/> Fax (fax #)		E-mail (address)									
Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)											
Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved											
Client Sample ID	Matrix*	Grab	Composite	Filter	Date Collected	Time Collected	No. of Containers	Requested Analyses	Preservative Types**	For Lab Use Only	
										PCBs	PCB428/PCB126
<i>B-176-030807(2-4)</i>	S	<i>3/9/07</i>	<i>1545</i>	<i>1</i>	<i>X</i>			<i>X</i>	<i>X</i>	<i>01-A</i>	
<i>B-177-030907(2-5)</i>	<i>1</i>	<i>3/9/07</i>	<i>1500</i>							<i>02-A</i>	
<i>B-178-030907(3-6)</i>		<i>3/9/07</i>	<i>0745</i>							<i>03-A</i>	
<i>B-179-030907(7-26)</i>		<i>3/9/07</i>	<i>0845</i>							<i>04-A</i>	
Possible Hazard Identification		<input type="checkbox"/> Hazardous	<input type="checkbox"/> Non-Hazardous	<input type="checkbox"/> Radioactive	Sample Disposition	Date/Time	<input type="checkbox"/> Dispose as appropriate	<input type="checkbox"/> Return	<input type="checkbox"/> Archive	Date/Time	
Comments				<i>J</i>	<i>3/9/07 0700</i>	<i>3/9/07</i>	<i>Received By (signature)</i>	<i>J</i>	<i>3/9/07 0950</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received By (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab B (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab A (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab C (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab D (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab E (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab F (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab G (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab H (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab I (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab J (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab K (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab L (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab M (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab N (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab O (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab P (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab Q (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab R (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab S (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab T (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab U (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab V (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab W (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab X (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab Y (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab Z (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab AA (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab BB (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab CC (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab DD (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab EE (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab FF (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab GG (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab HH (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab II (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab JJ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab KK (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab LL (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab MM (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab NN (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab OO (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab PP (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab QQ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab RR (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab SS (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab TT (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab UU (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab VV (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab WW (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab XX (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab YY (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab ZZ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab AA (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab BB (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab CC (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab DD (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab EE (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab FF (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab GG (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab HH (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab II (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab JJ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab KK (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab LL (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab MM (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab NN (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab OO (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab PP (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab QQ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab RR (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab SS (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab TT (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab UU (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab VV (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab WW (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab XX (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab YY (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab ZZ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab AA (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab BB (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab CC (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab DD (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab EE (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab FF (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab GG (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab HH (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab II (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab JJ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab KK (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab LL (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab MM (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab NN (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab OO (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab PP (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1120</i>	<i>3/9/07</i>	<i>Received for Tab QQ (signature)</i>	<i>J</i>	<i>3/9/07 1112</i>	Date/Time	
				<i>J</i>	<i>3/9/07 1</i>						

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